

BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS

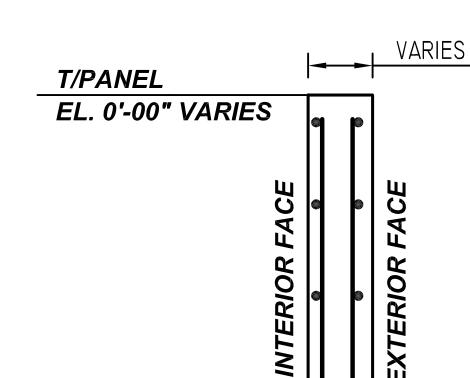
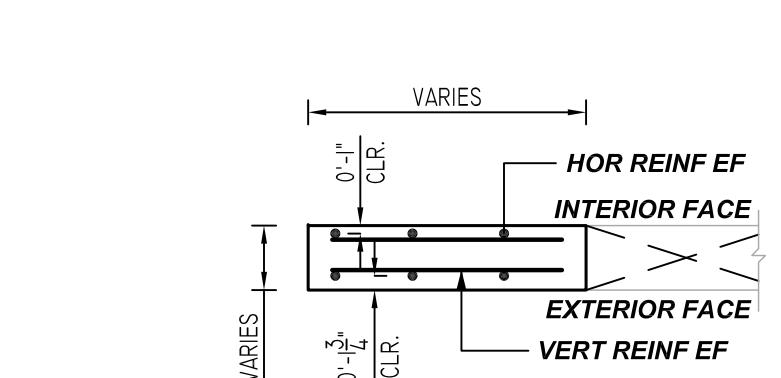
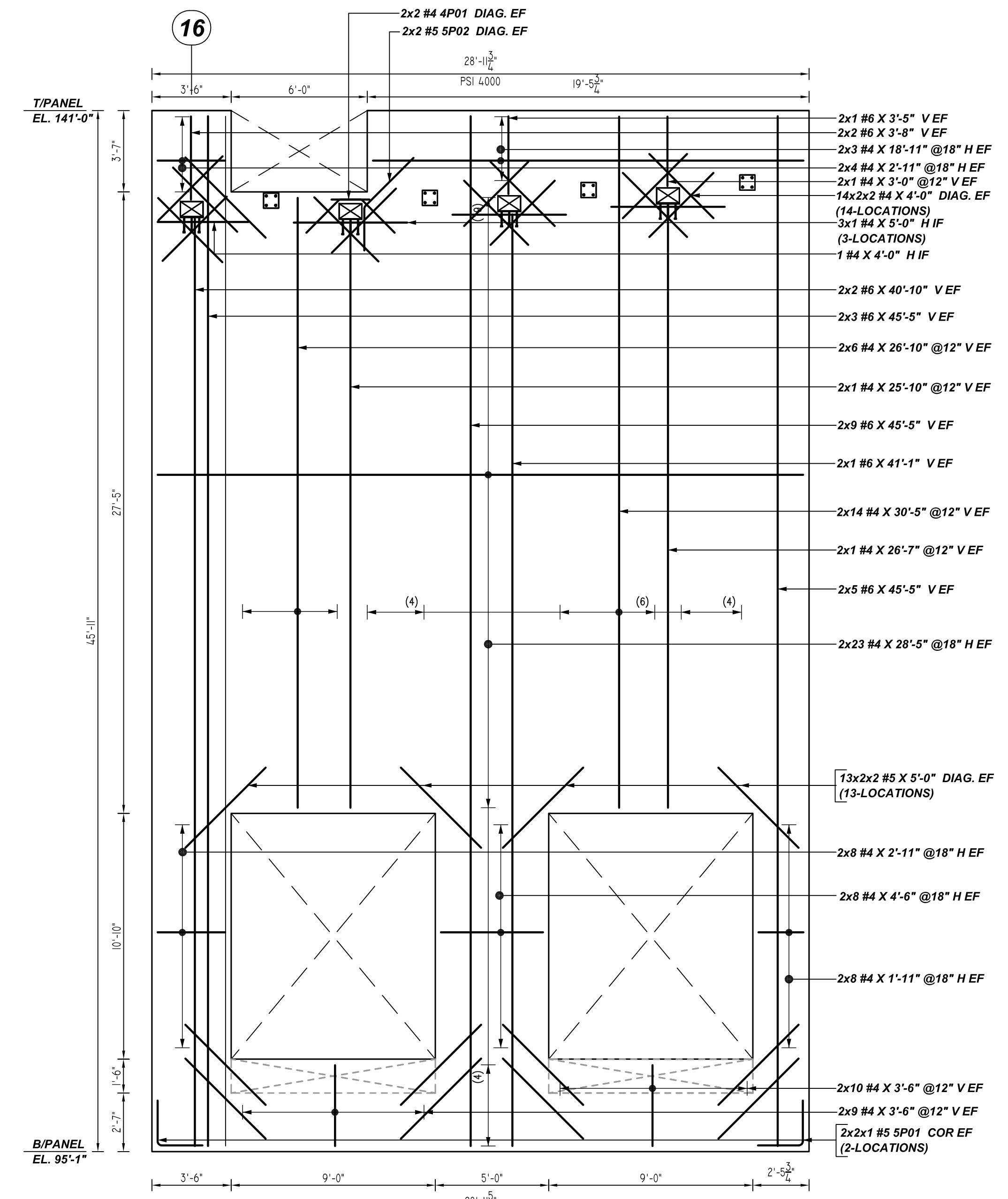
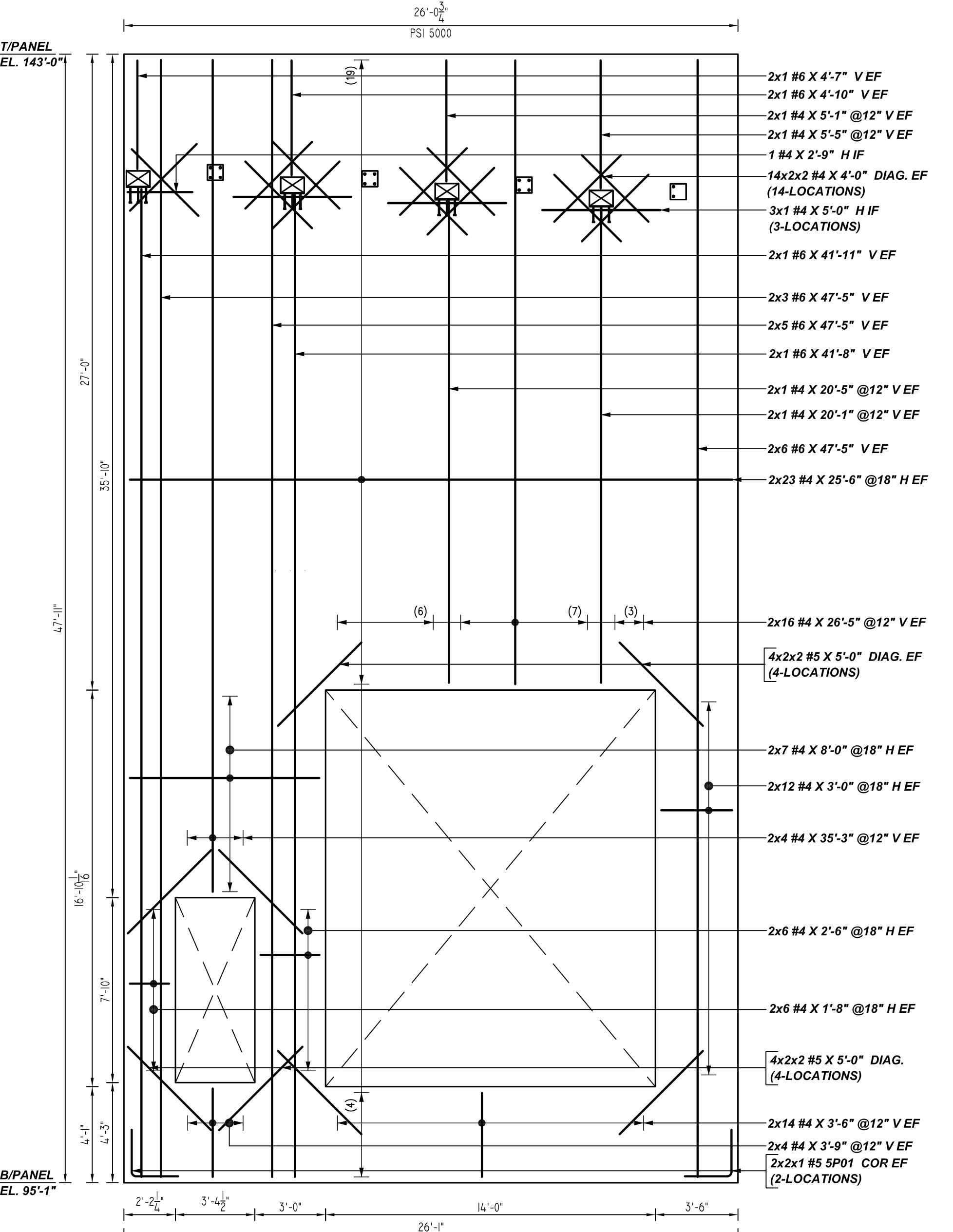
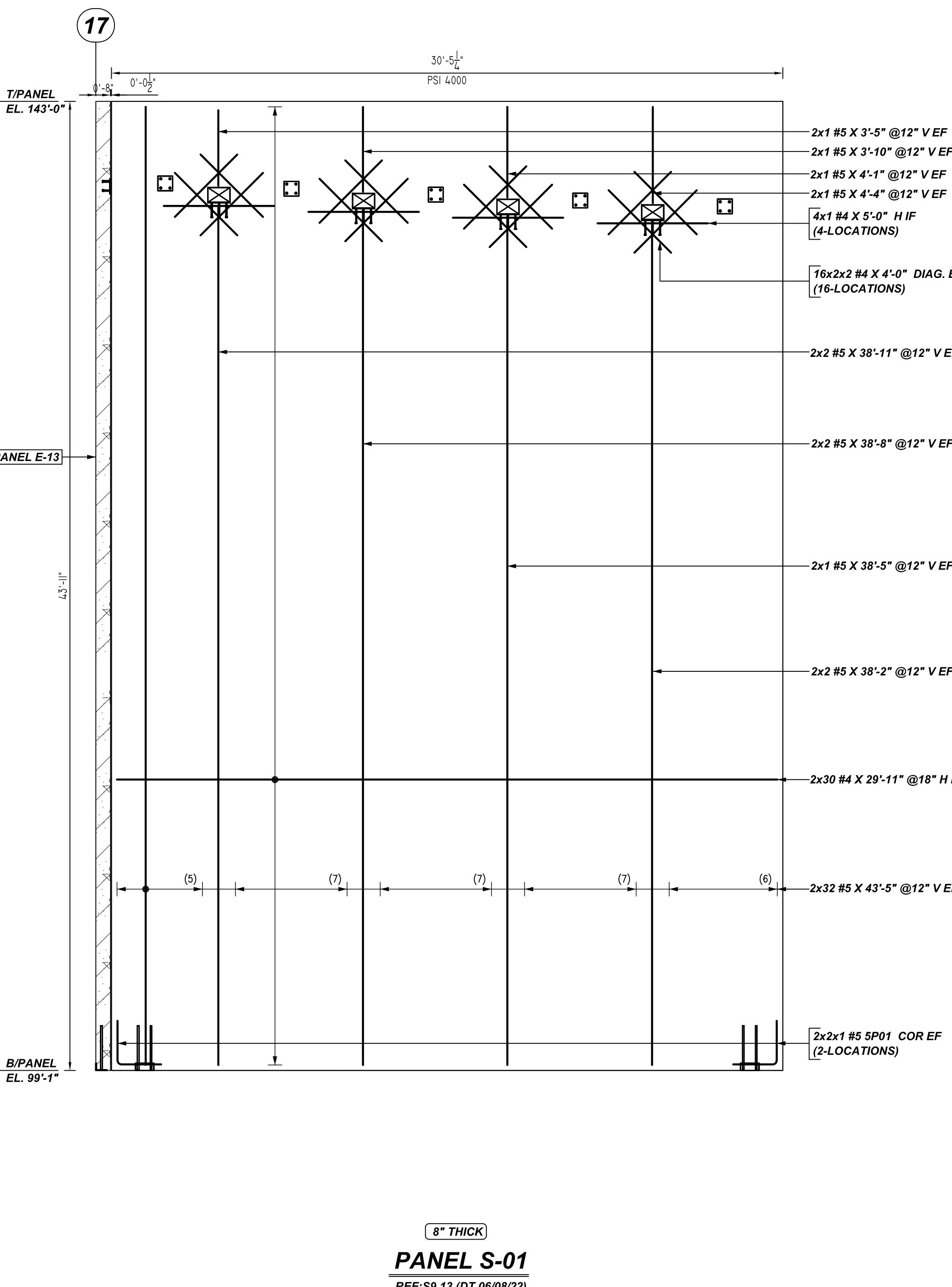
**FOR BUILDING-A PANEL (NORTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R13 THRU #R23
FOR BUILDING-A PANEL (EAST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R28 THRU #R33
FOR BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R35 THRU #R43
FOR BUILDING-A PANEL (WEST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R47 THRU #R53
FOR BUILDING-A PANEL (SOUTH ELEVATION) PANEL ACCESSORIES DETAILS REFER DRAWINGS #R16**

REF:S1.01 (DT.06/08/22)
SCALE: 1/20" = 1'L'

SCALE: 1/28"

FOR APPROVAL

GRADE	A615/60(UNO)							
PREFIX	P							
BAR LIST NOS.								
REV	DESCRIPTION	ISSUED DATE	ISSUED FOR	STRUCTURE FLOOR JOB NO CUSTOMER JOB LOCATION	PANEL(SOUTH ELEVATION) REINF. DETAILS			
0	IFA	10/18/2022	APPROVAL		FOUNDATION TO TOP OF WALL			
					—			
					CONCRETE STRAGIES			
					THE CUBES AT MESA – BLDG A			
					E PELOS RD & S CRIMSON RD, MESA, AZ 852			
					DRAWN	DATE	CONTROL CODE	DWG. NO.
					MRS	10/18/2022	—	R34



FOR BUILDING-A PANEL (NORTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R13 THRU #R27
FOR BUILDING-A PANEL (EAST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R28 THRU #R33
FOR BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R35 THRU #R46
FOR BUILDING-A PANEL (WEST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R47 THRU #R53
FOR BUILDING-A PANEL (SOUTH ELEVATION) PANEL ACCESORIES DETAILS REFER DRAWINGS #R46

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

LOCATION	MIN. COVER
PANEL INNER FACE	1" CLR
PANEL OUTER FACE	1 1/4" CLR
PANEL EDGE	3" CLR

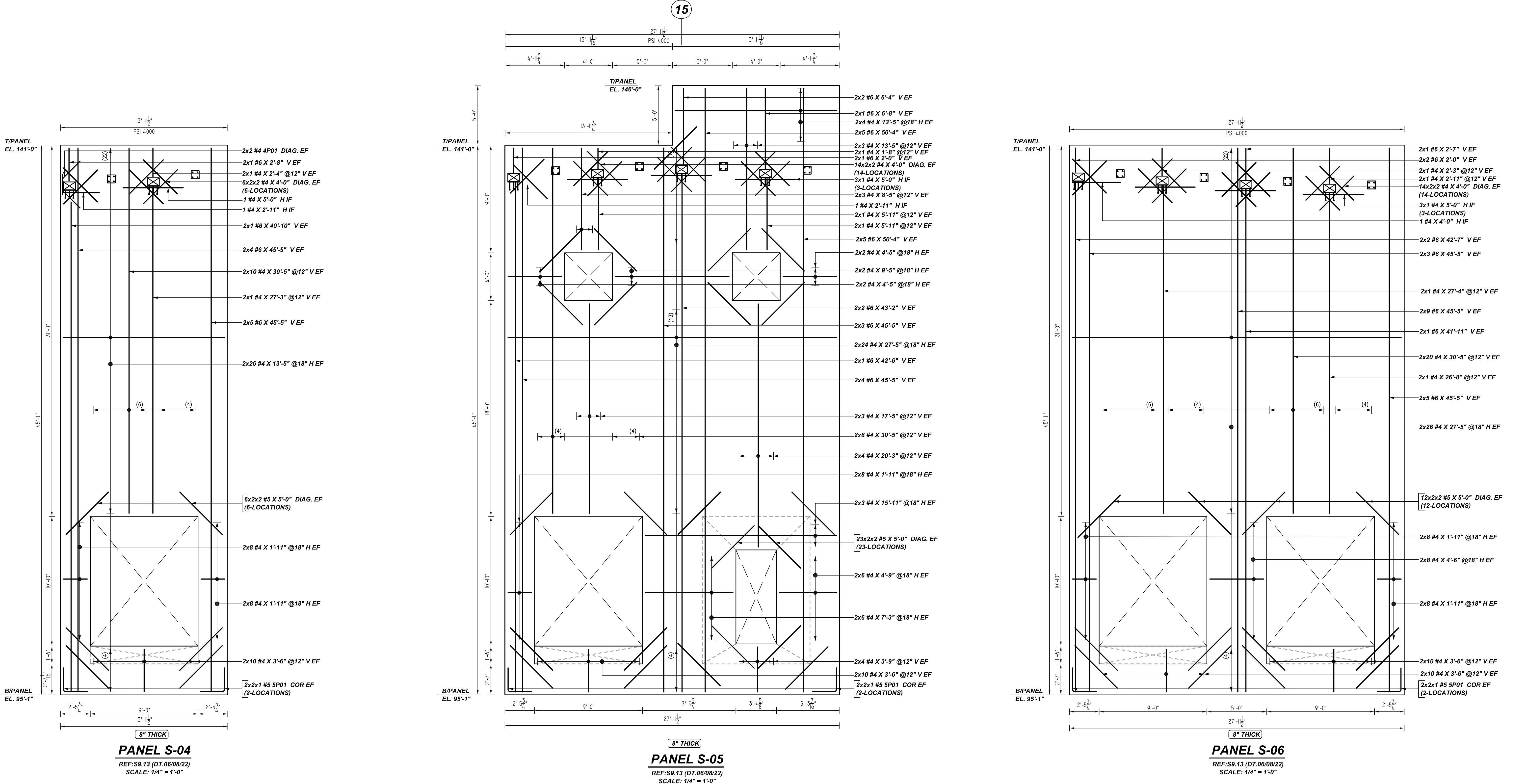
BAR LIST											
Rebar Number	Rev	Qty	Size	Total Length	Type	'A'	'B'	'C'	'D'	'E'	'F'
S01	12	12	4'-0"	17		2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
S02	4	4	4'-11 1/2"	3		1'-11"	3'-0 K"			2'-2 K"	2'-1 K"
4P01	4	4	3'-4 1/2"	3		1'-4"	2'-0 X"			1'-5 K"	1'-5"

17

Diagram showing bar clearance details for rebar #17.

FOR APPROVAL

GRADE	A615/60(UNO)		
PREFIX	P		
BAR LIST NOS.			
REV	DESCRIPTION	ISSUED DATE	ISSUED FOR
0	IF A	10/18/2022	APPROVAL
STRUCTURE PANEL(SOUTH ELEVATION) REINF. DETAILS FOUNDATION TO TOP OF WALL			
FLOOR	-		
JOB NO	-		
CUSTOMER	CONCRETE STRAGIES		
JOB	THE CUBES AT MESA - BLDG A		
LOCATION	E PECOS RD & S CRISMON RD, MESA, AZ 85212		
DRAWN	DATE	CONTROL CODE	DWG. NO.
MRS	10/18/2022	-	R35



FOR BUILDING-A PANEL (NORTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R13 THRU #R27
FOR BUILDING-A PANEL (EAST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R28 THRU #R33
FOR BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R35 THRU #R46
FOR BUILDING-A PANEL (WEST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R47 THRU #R53
FOR BUILDING-A PANEL (SOUTH ELEVATION) PANEL ACCESORIES DETAILS REFER DRAWINGS #R46

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

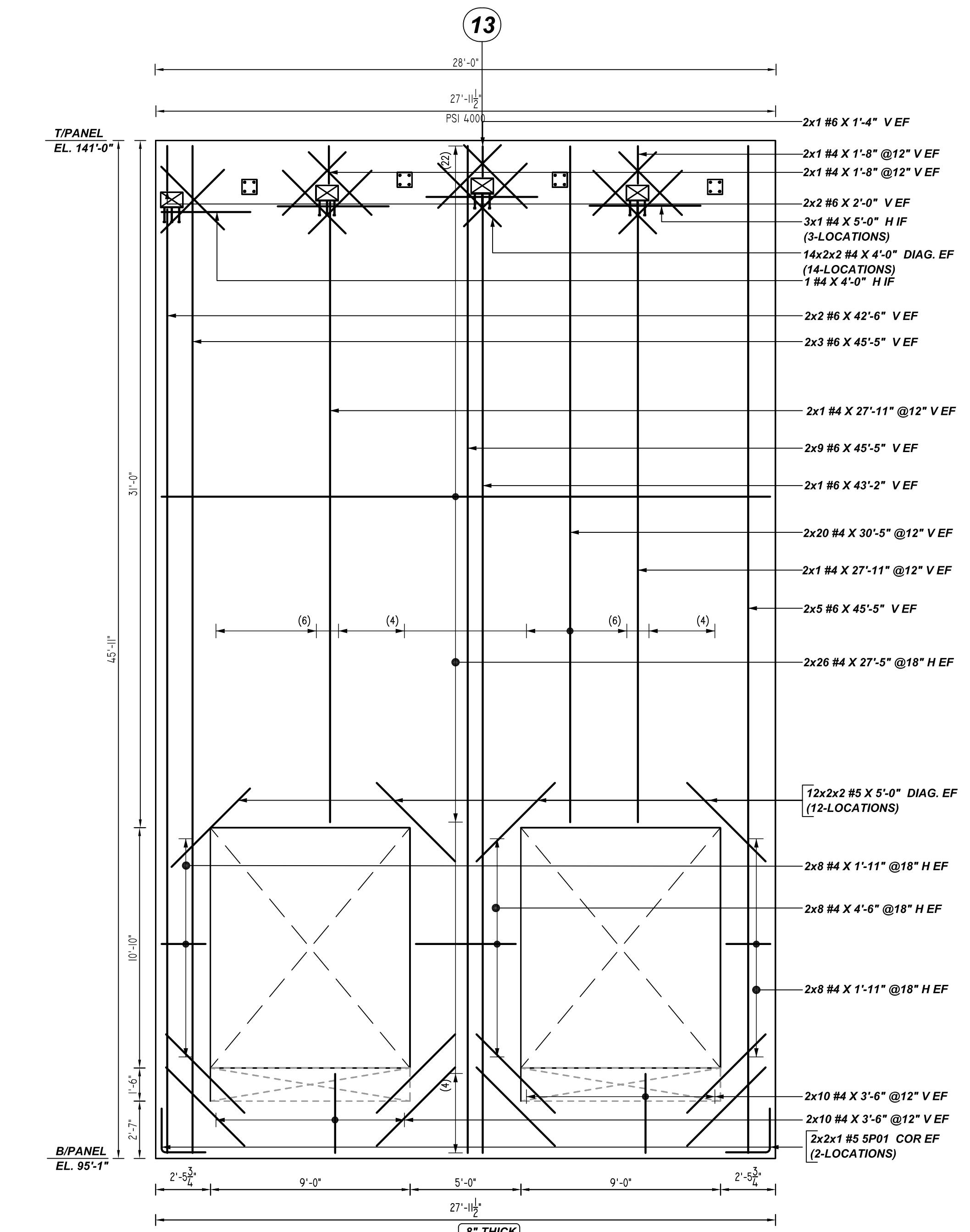
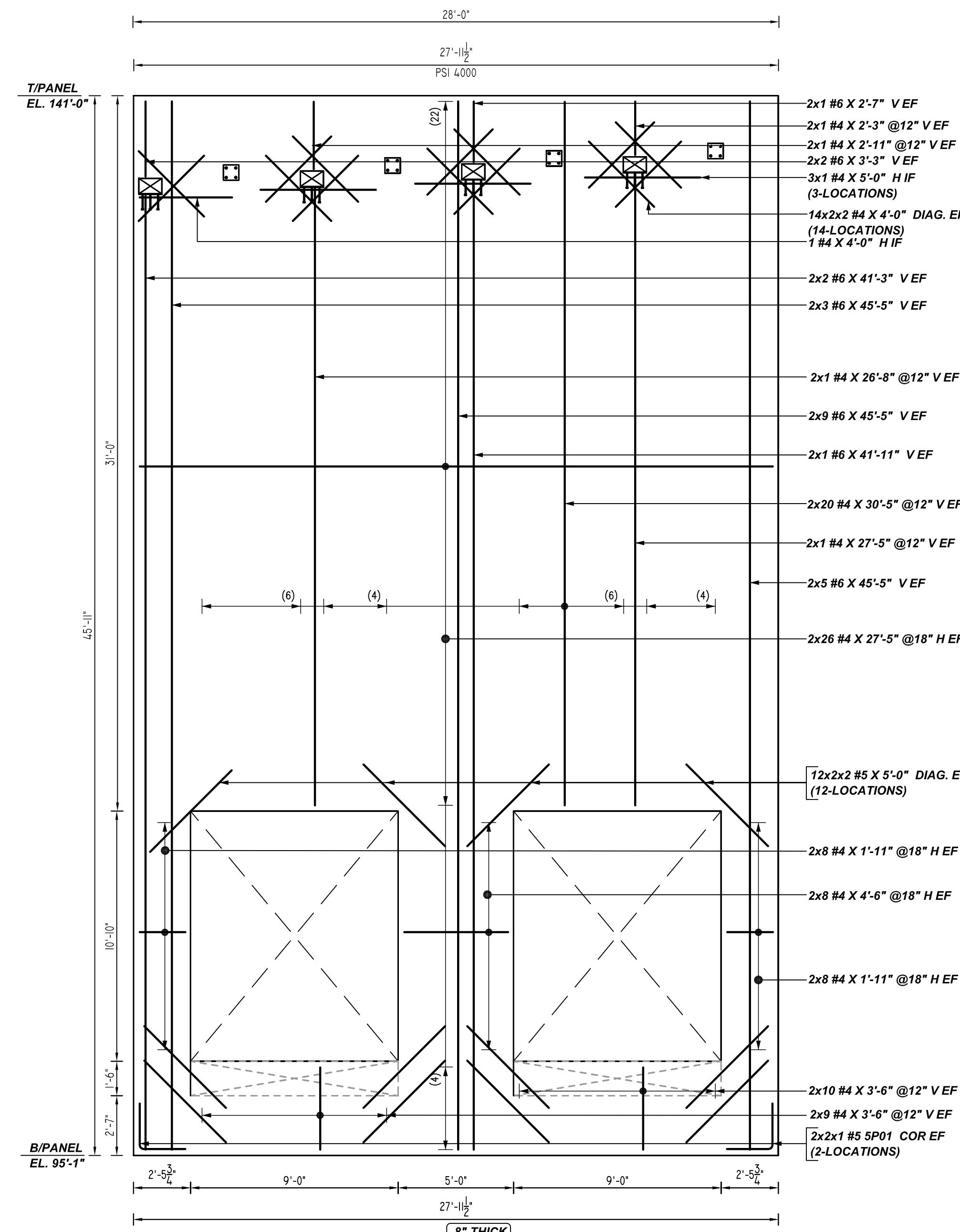
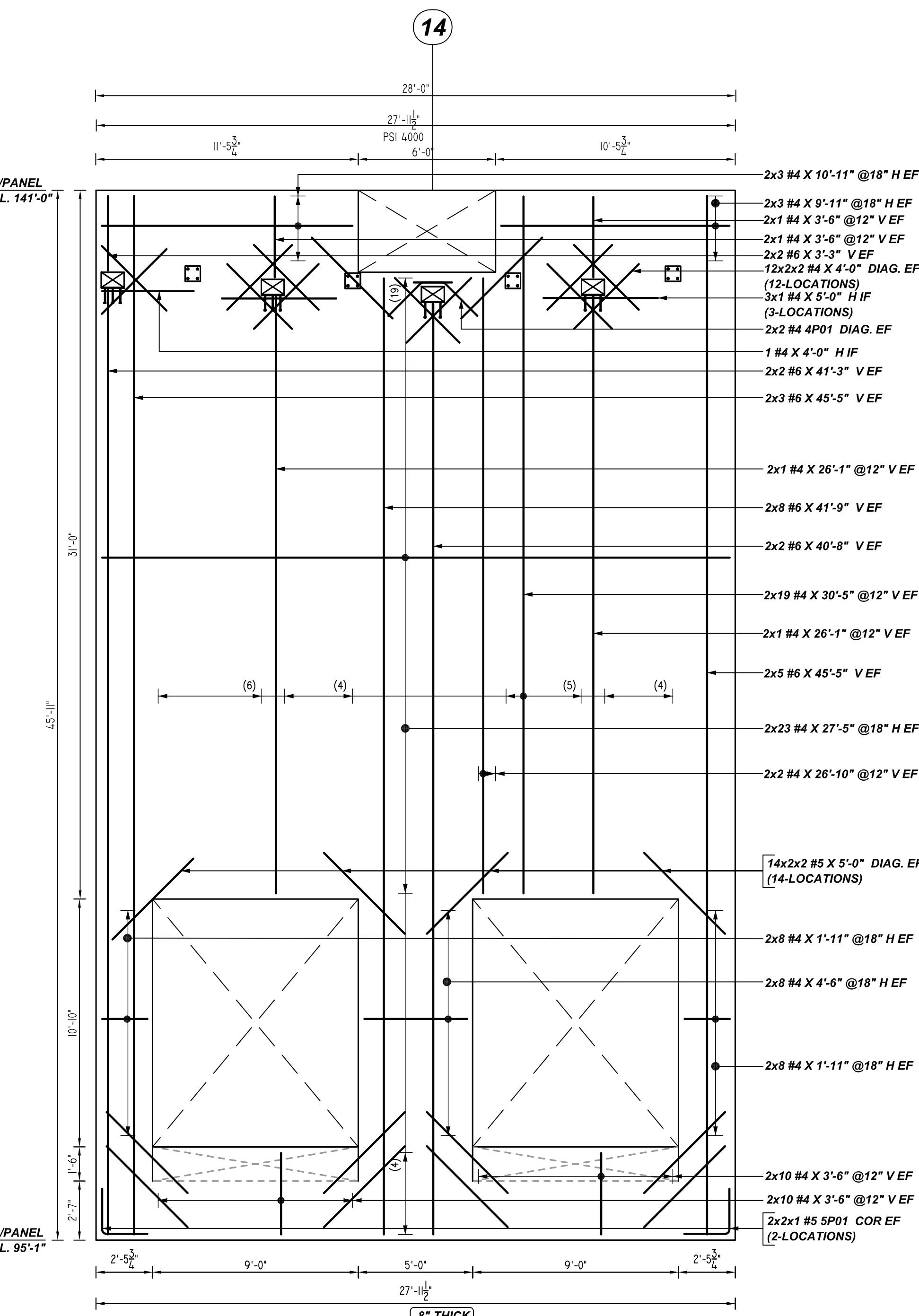
TYPICAL REINFORCING BAR CLEARANCE TABLE									
LOCATION	MIN. COVER								
PANEL INNER FACE	1" CLR								
PANEL OUTER FACE	1 1/4" CLR								
PANEL EDGE	3" CLR								

BAR LIST											
Bar Work	Qty	Size	Total Length	Type	X'	Y'	Z'	T'	V'	W'	Y'
SPO1	4	#4	4'-0" 17		2'-0"	2'-0"				1'-5 1/2"	2'-0"
4P01	4	#4	3'-4 1/2" 3		1'-4"	2'-0 X"				1'-5"	2'-0"

Release Number: R36

Diagram showing a U-shaped foundation with reinforcement bars labeled A through Z. A note indicates "3 Hooks A & G optional".

GRADE	A615/60(UNO)		
PREFIX	P		
BAR LIST NOS.			
REV	DESCRIPTION	ISSUED DATE	ISSUED FOR
0	IF A	10/18/2022	APPROVAL
STRUCTURE PANEL(SOUTH ELEVATION) REINF. DETAILS			
FOUNDATION TO TOP OF WALL			
JOB NO	-		
CUSTOMER	CONCRETE STRAGIES		
JOB	THE CUBES AT MESA - BLDG A		
LOCATION	E PECOS RD & S CRISMON RD, MESA, AZ 85212		
DRAWN	DATE	CONTROL CODE	DWG. NO.
MRS	10/18/2022	-	R36

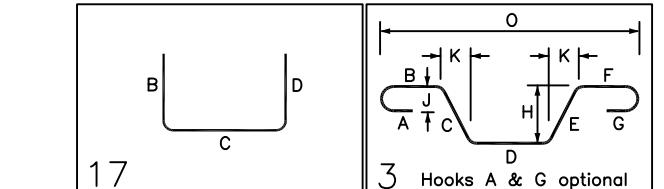


FOR BUILDING-A PANEL (NORTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R13 THRU #R27
FOR BUILDING-A PANEL (EAST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R28 THRU #R23
FOR BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R35 THRU #R46
FOR BUILDING-A PANEL (WEST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R47 THRU #R53
FOR BUILDING-A PANEL (SOUTH ELEVATION) PANEL ACCESORIES DETAILS REFER DRAWINGS #R46

ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED

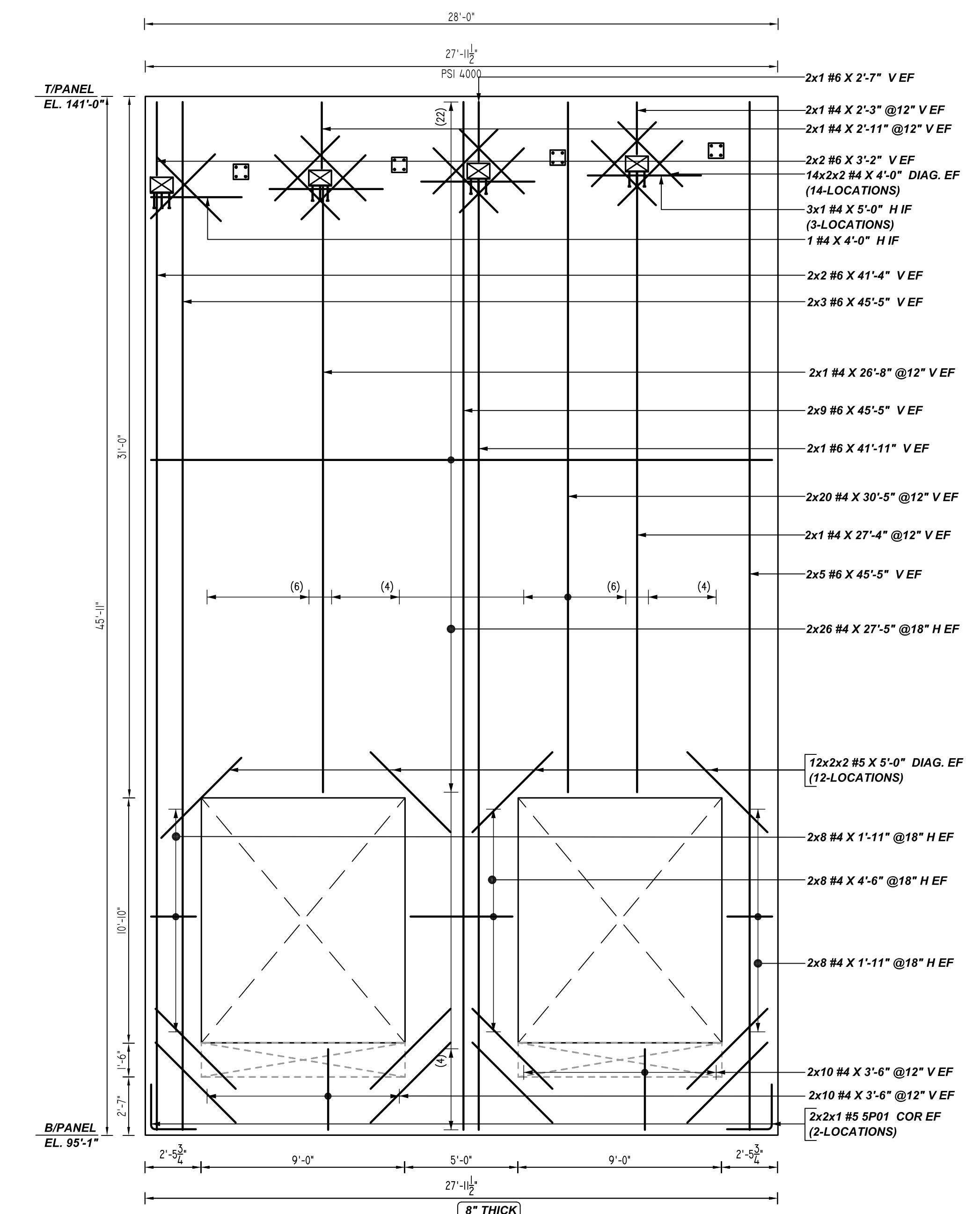
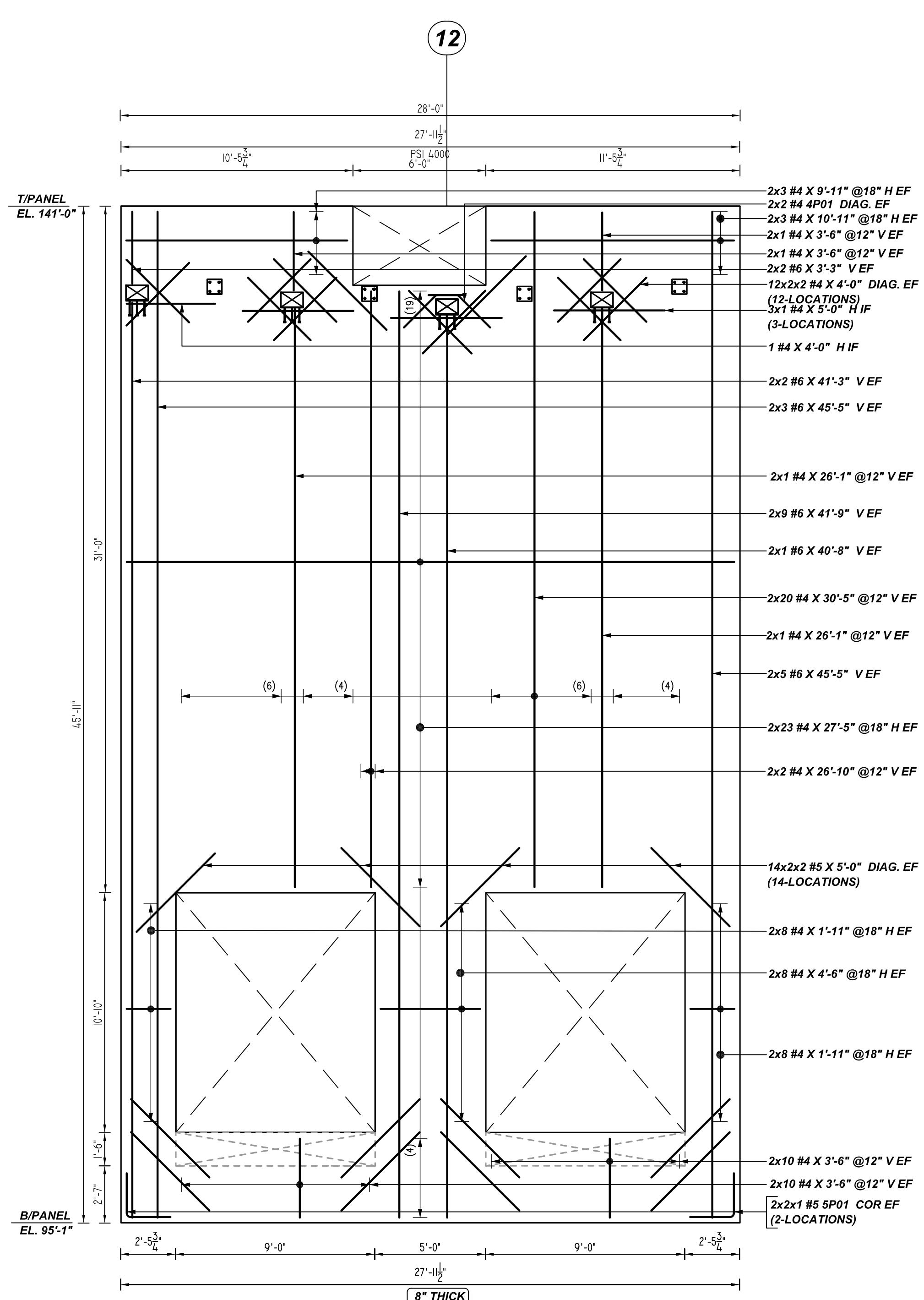
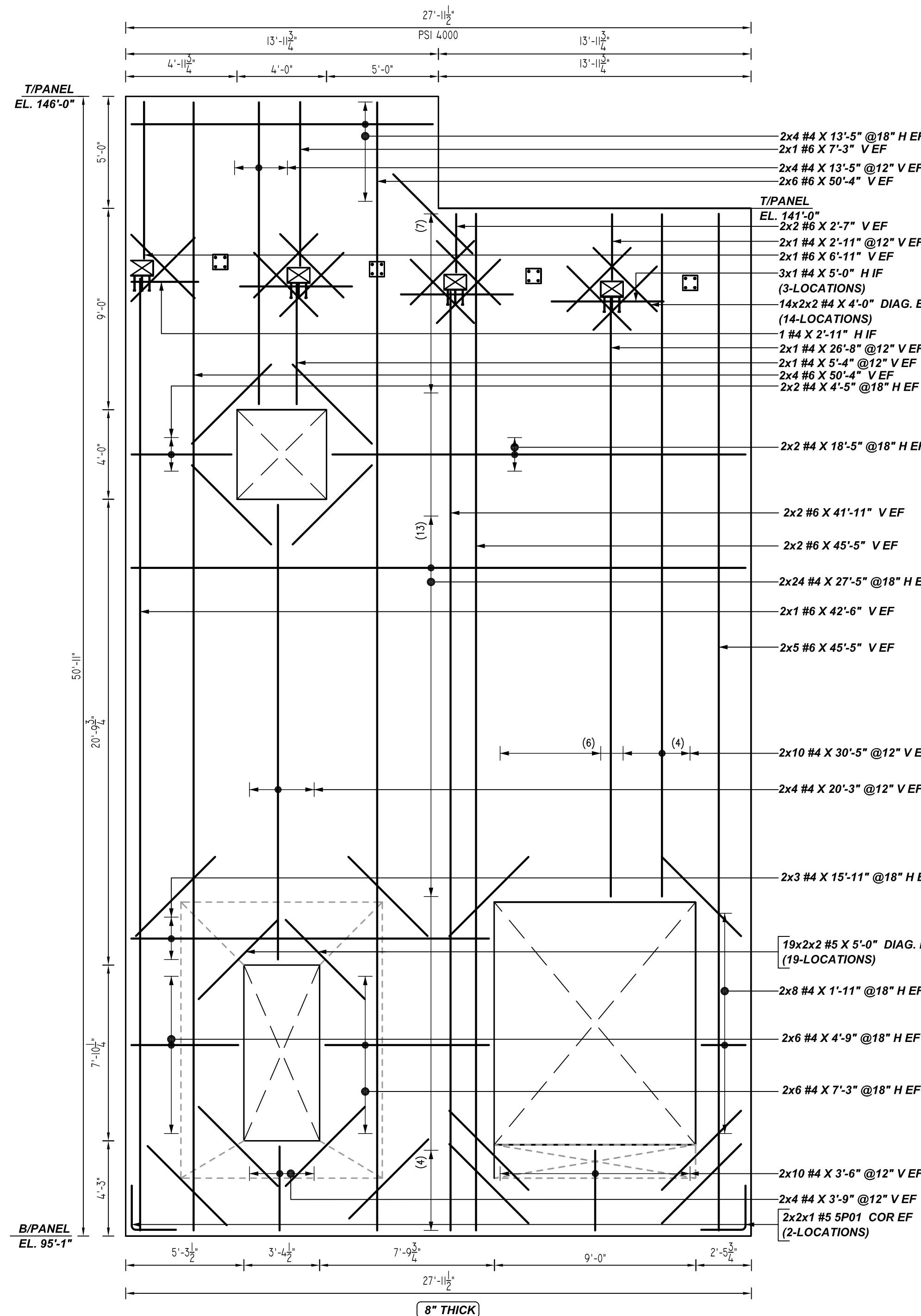
TYPICAL REINFORCING BAR CLEARANCE TABLE		BAR LIST									
LOCATION	MIN. COVER	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'I'	'J'
PANEL INNER FACE	1" CLR										
PANEL OUTER FACE	1 1/4" CLR										
PANEL EDGE	3" CLR										

Release Number: R37											
Bar Mark	Oy	Size	Total Length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'
SP01	12	#5	4'-0"	17							
4P01	4	#4	3'-4 X 4'-0"	3							



FOR APPROVAL

GRADE	A615/60(UNO)		
PREFIX	P		
BAR LIST NOS.			
REV	DESCRIPTION	ISSUED DATE	ISSUED FOR
0	IF A	10/18/2022	APPROVAL
STRUCTURE PANEL(SOUTH ELEVATION) REINF. DETAILS FOUNDATION TO TOP OF WALL			
FLOOR -			
JOB NO -			
CUSTOMER CONCRETE STRAGIES			
JOB THE CUBES AT MESA - BLDG A			
LOCATION E PECOS RD & S CRISMON RD, MESA, AZ 85212			
DRAWN	DATE	CONTROL CODE	DWG. NO.
MRS	10/18/2022	-	R37

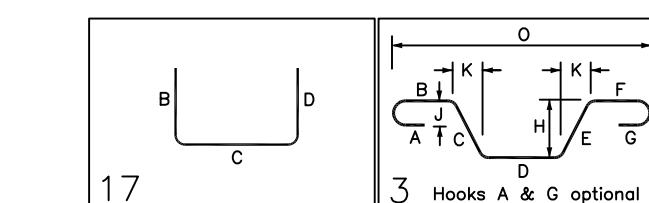


FOR BUILDING-A PANEL (NORTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R13 THRU #R27
FOR BUILDING-A PANEL (EAST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R28 THRU #R33
FOR BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R35 THRU #R46
FOR BUILDING-A PANEL (WEST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R47 THRU #R53
FOR BUILDING-A PANEL (SOUTH ELEVATION) PANEL ACCESSORIES DETAILS REFER DRAWINGS #R46

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

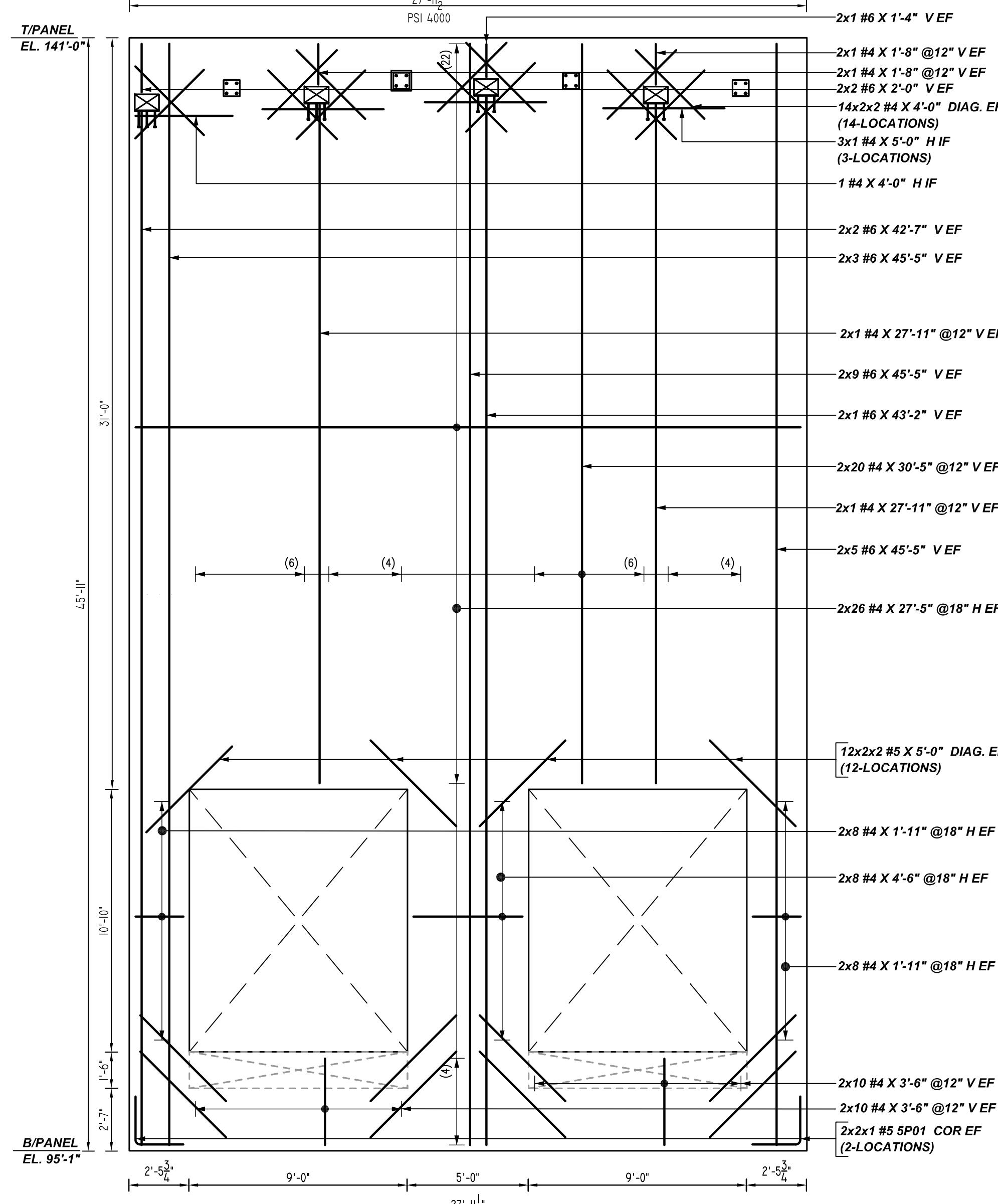
TYPICAL REINFORCING BAR CLEARANCE TABLE									
LOCATION	MIN. COVER								
PANEL INNER FACE	1" CLR								
PANEL OUTER FACE	1 1/4" CLR								
PANEL EDGE	3" CLR								

BAR LIST											
Release Number:	R38	Bor Work	Qy	Size	Total Length	Type	'K'	'Y'	'V'	'T'	'U'
SPO1	12	J5	4	4	4'-0"	17	7'-0"	2'-0"			
EP01	4	J4	3'-4 X 1' 3"				1'-4"	2'-0"			
									1'-5 1/2"	1'-5"	2'-9"



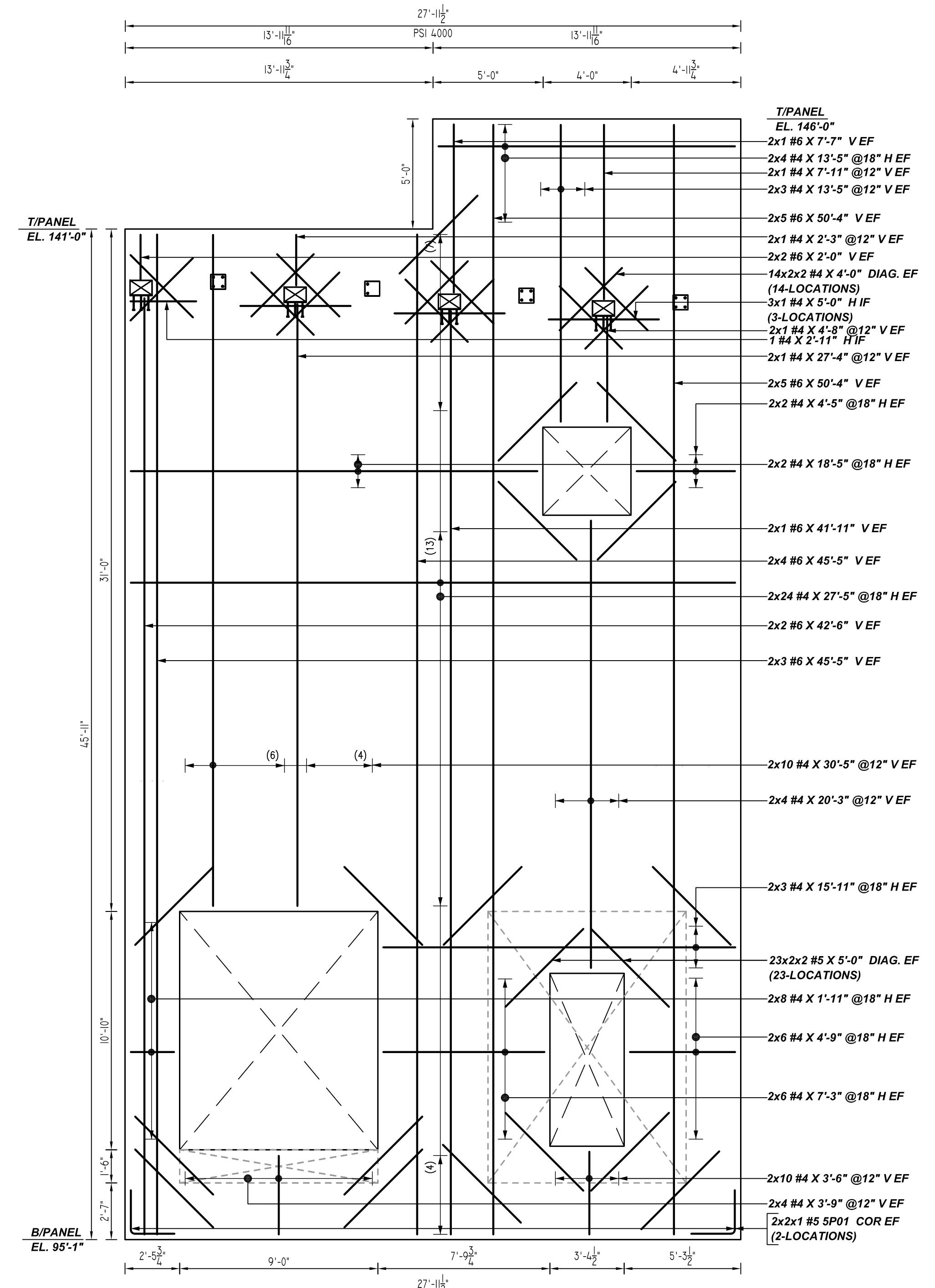
GRADE	A615/60(UNO)	STRUCTURE	PANEL(SOUTH ELEVATION) REINF. DETAILS		
PREFIX	P		FOUNDATION TO TOP OF WALL		
BAR LIST NOS.					
REV	DESCRIPTION	ISSUED DATE	ISSUED FOR		
0	IFA	10/18/2022	APPROVAL		
FLOOR -					
JOB NO -					
CUSTOMER CONCRETE STRAGIES					
JOB THE CUBES AT MESA - BLDG A					
LOCATION E PECOS RD & S CRISMON RD, MESA, AZ 85212					
DRAWN	DATE	CONTROL CODE	DWG. NO.		
MRS	10/18/2022	-	R38		

FOR APPROVAL



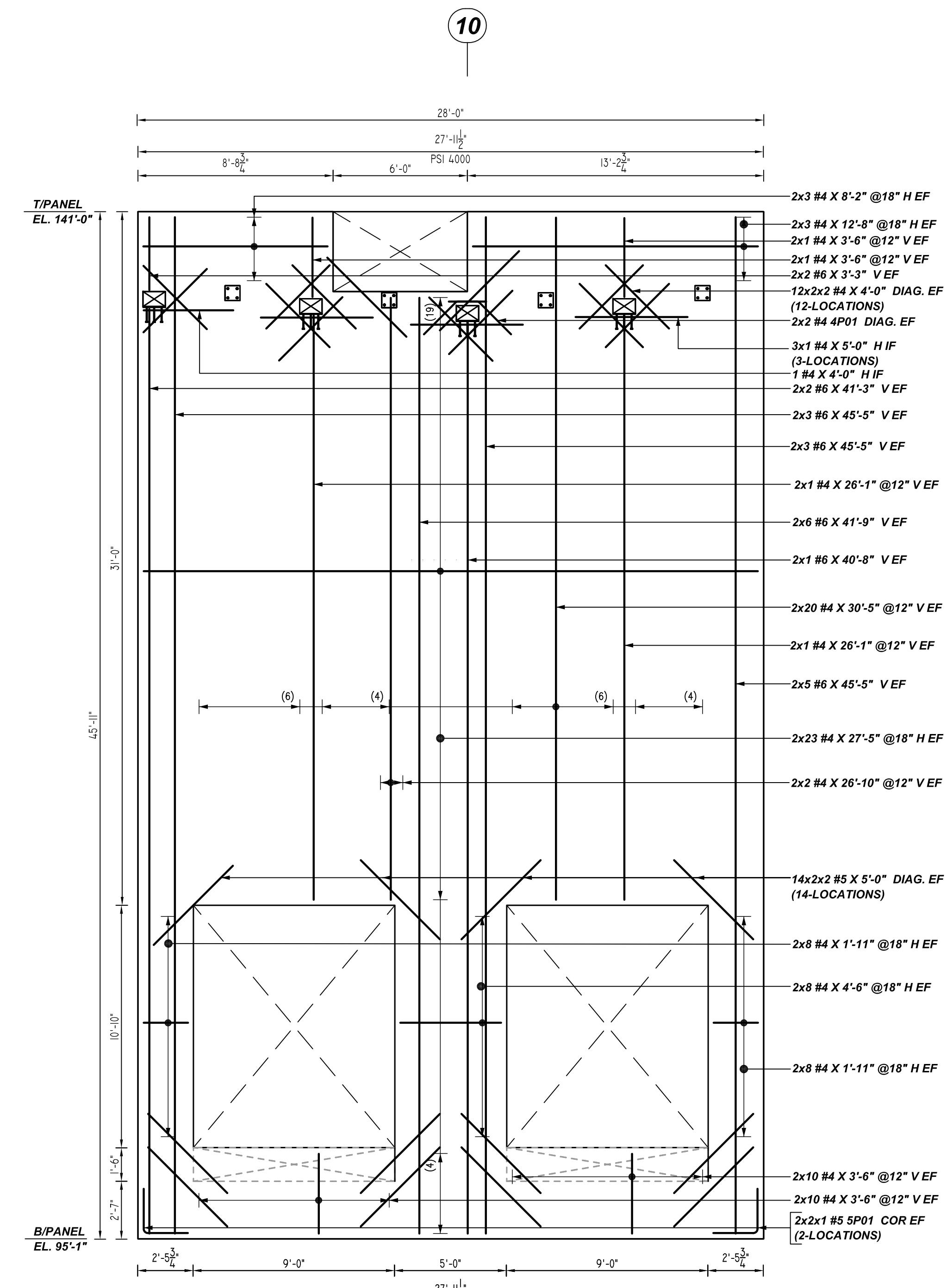
PANEL S-13

REF:S9.13 (DT.06/08/22)
SCALE: 1/4" = 1'-0"



PANEL S-14

REF:S9.13 (DT.06/08/22)
SCALE: 1/4" = 1'-0"



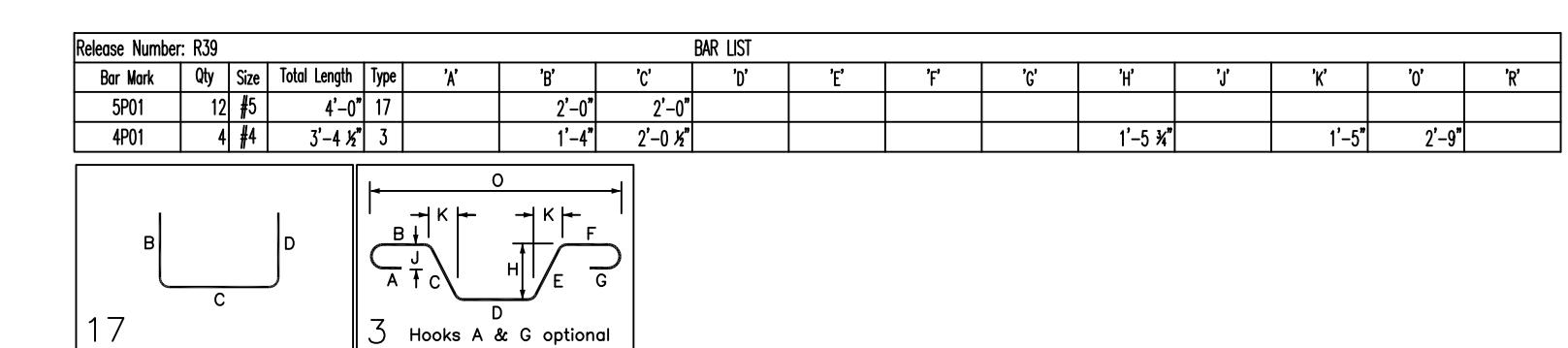
PANEL S-15

REF:S9.13 (DT.06/08/22)
SCALE: 1/4" = 1'-0"

FOR BUILDING-A PANEL (NORTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R13 THRU #R27
FOR BUILDING-A PANEL (EAST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R28 THRU #R33
FOR BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R35 THRU #R46
FOR BUILDING-A PANEL (WEST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R47 THRU #R53
FOR BUILDING-A PANEL (SOUTH ELEVATION) PANEL ACCESORIES DETAILS REFER DRAWINGS #R46

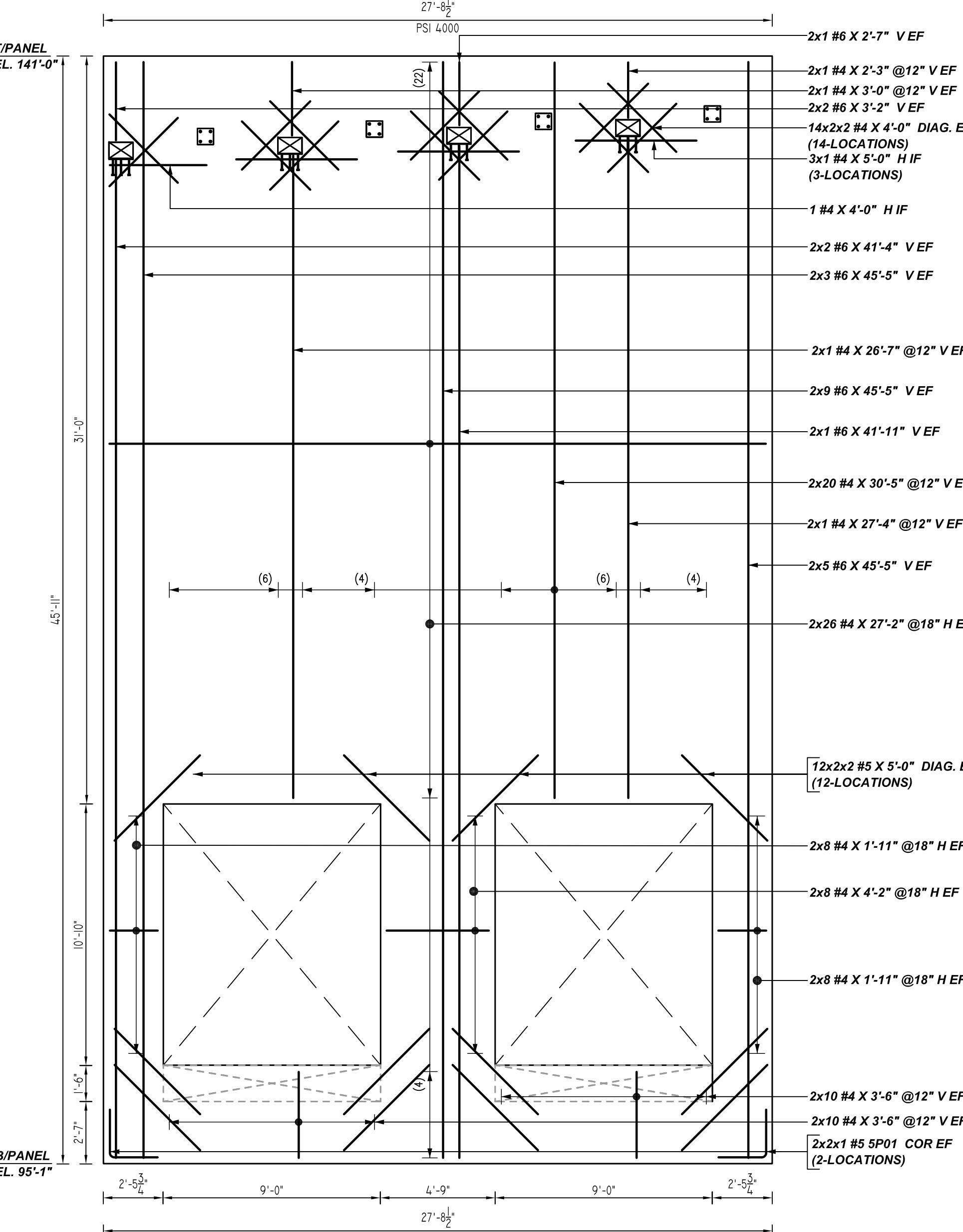
**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

TYPICAL REINFORCING BAR CLEARANCE TABLE									
LOCATION	MIN. COVER								
PANEL INNER FACE	1" CLR								
PANEL OUTER FACE	1 1/4" CLR								
PANEL EDGE	3" CLR								



GRADE	A615/60(UNO)		
PREFIX	P		
BAR LIST NOS.			
REV	DESCRIPTION	ISSUED DATE	ISSUED FOR
0	IF A	10/18/2022	APPROVAL
FLOOR	STRUCTURE PANEL(SOUTH ELEVATION) REINF. DETAILS		
JOB NO	FOUNDATION TO TOP OF WALL		
CUSTOMER	THE CUBES AT MESA - BLDG A		
JOB	E PELOS RD & S CRISMON RD, MESA, AZ 85212		
DRAWN	DATE	CONTROL CODE	DWG. NO.
MRS	10/18/2022	-	R39

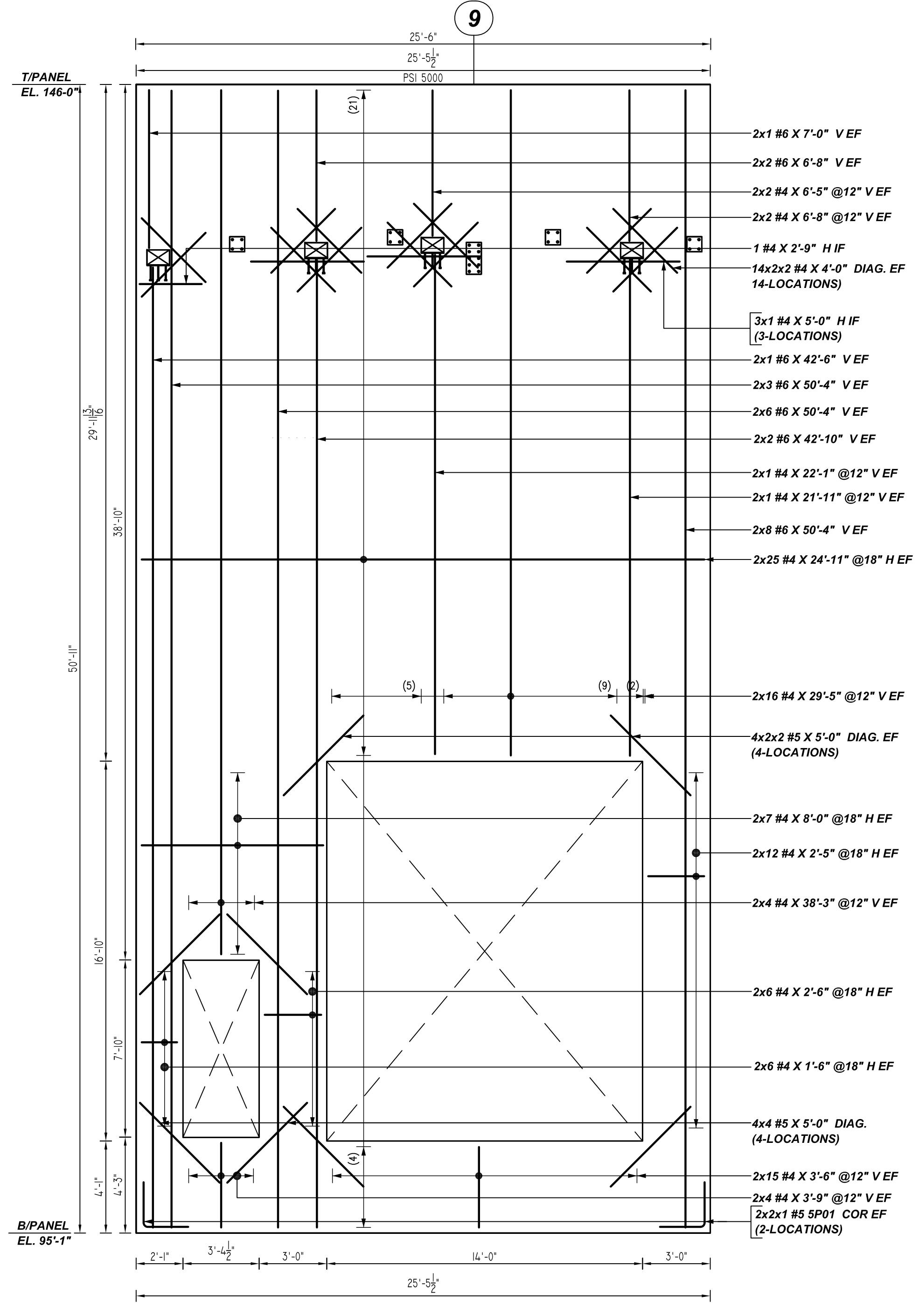
FOR APPROVAL



PANEL S-16

REF:S9.13 (DT.06/08/22)

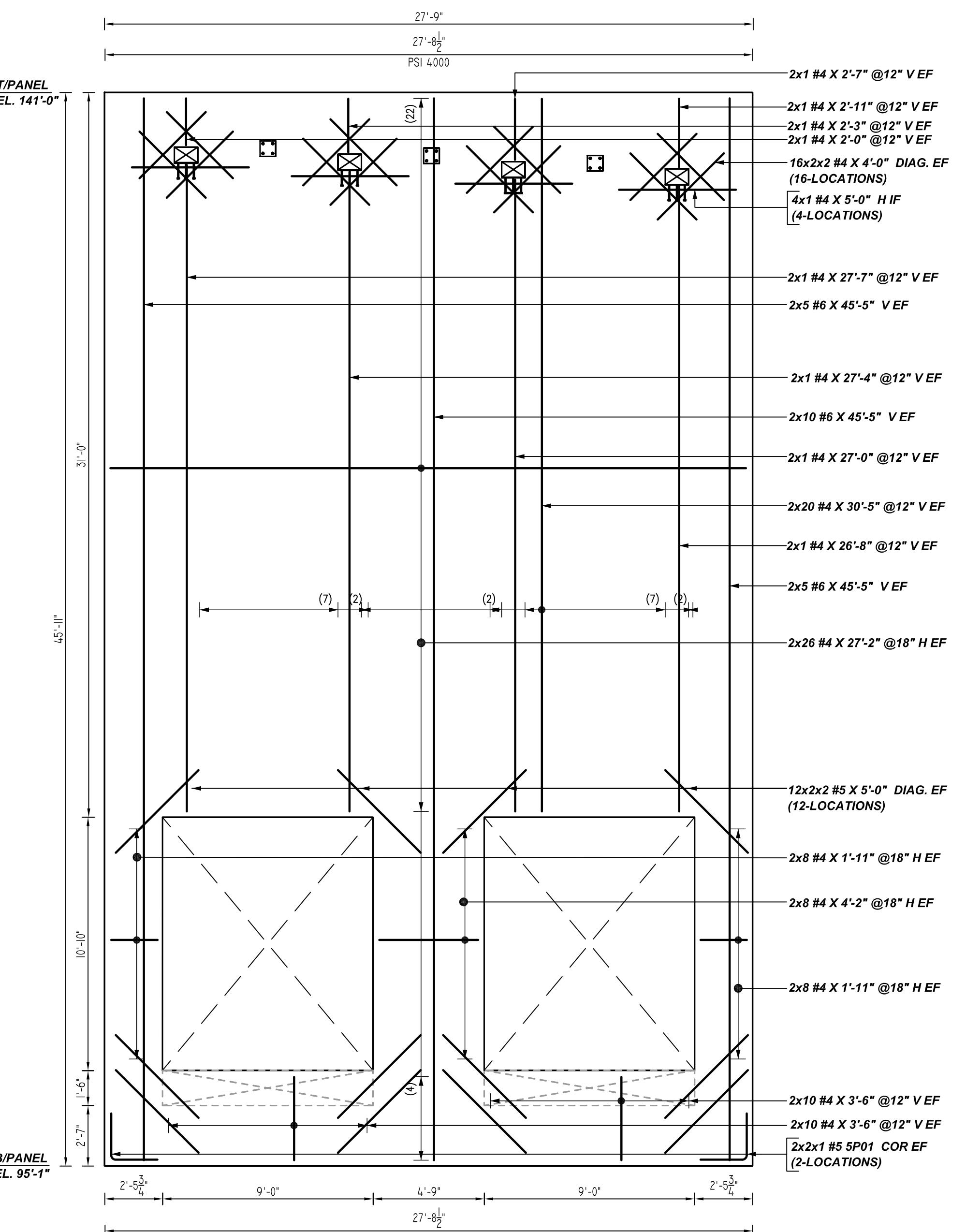
SCALE: 1/4" = 1'-0"



PANEL S-17

REF:S9.13 (DT.06/08/22)

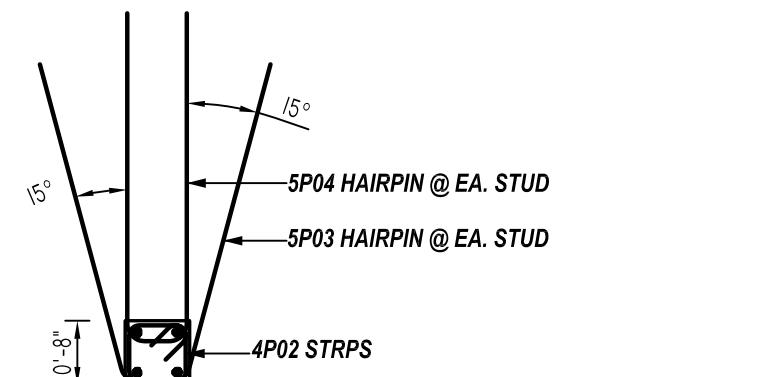
SCALE: 1/4" = 1'-0"



ANEL S-18

F:S9.13 (DT.06/08/22)

SCALE: 1/4" = 1'-0"



**A/E PLEASE VERIFY
MIRRIN DETAIL AS FOLLOED**

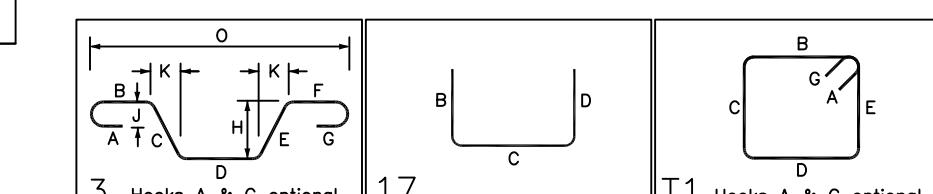
OR APPROVAL

AIRPIN REINE @ FMBFED DTI

BEE-S9-10 (DT 06/08/22)

REF:S9-10 (DT.06/08/22)

BAR LIST																
Bar Mark	Qty	Size	Total Length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'
5P03	1	#5	7'-6"	3			3'-5"	0'-8"	3'-5"			3'-3 1/2"		0'-10"	2'-4"	
5P04	1	#5	7'-6"	17			3'-5"	0'-8"	3'-5"							
5P01	12	#5	4'-0"	17			2'-0"	2'-0"								
4P02	2	#4	3'-3"	T1	0'-4 1/2"	0'-7 1/2"	0'-7 1/2"	0'-7 1/2"	0'-7 1/2"		0'-4 1/2"					



HAIRPIN BAR @EMBED SCHEDULE	
PANEL S-17 (8"x8")	1 #5 5P04 HAIRPIN @ EA. STUD 1 #5 5P03 HAIRPIN @ EA. STUD 2 #4 4P02 STRPS

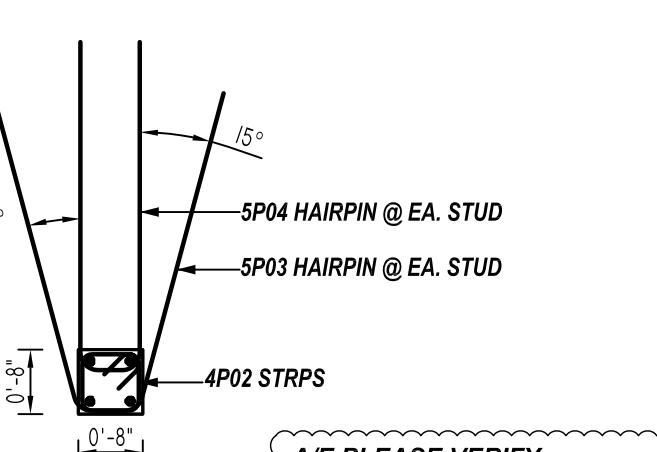
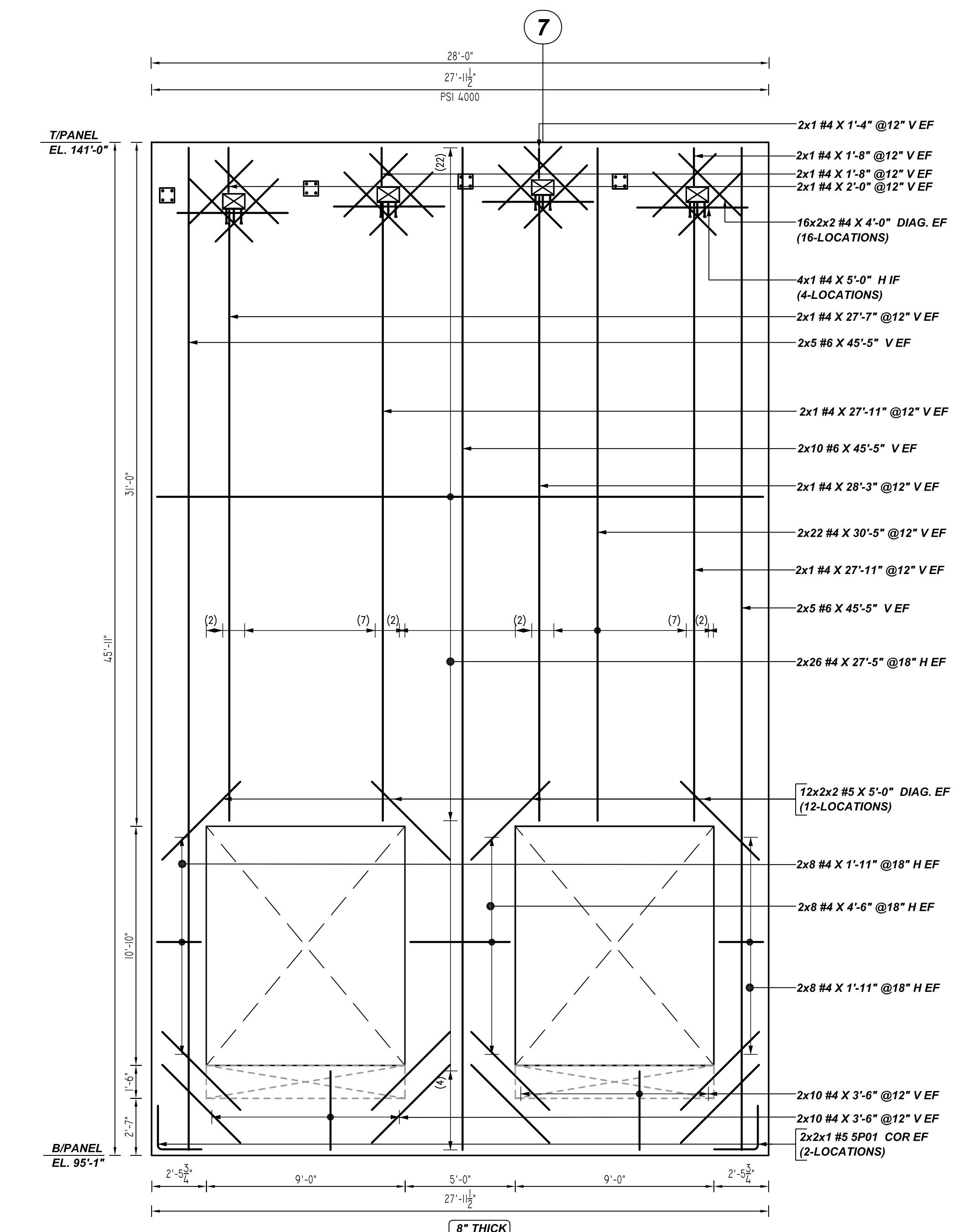
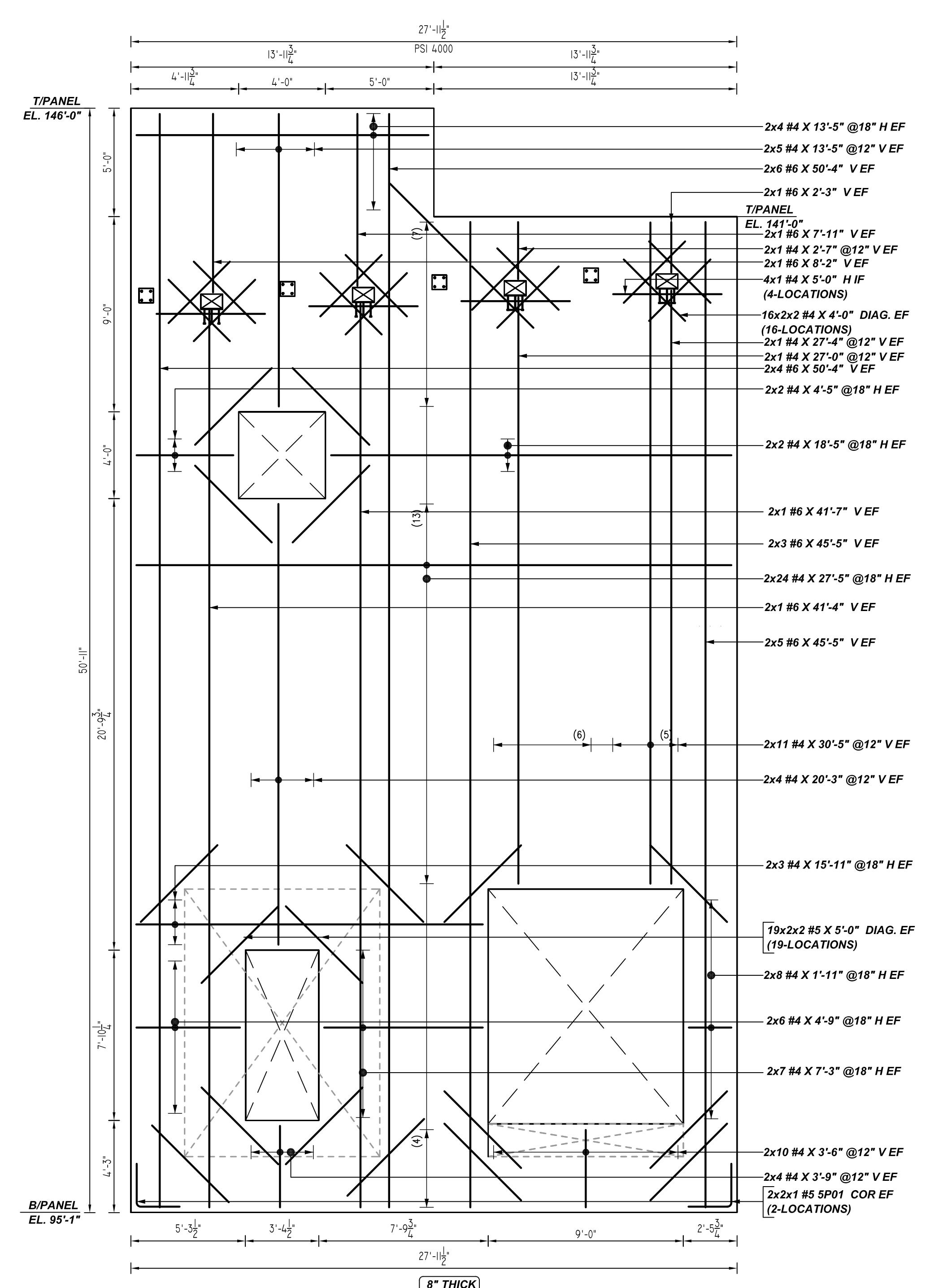
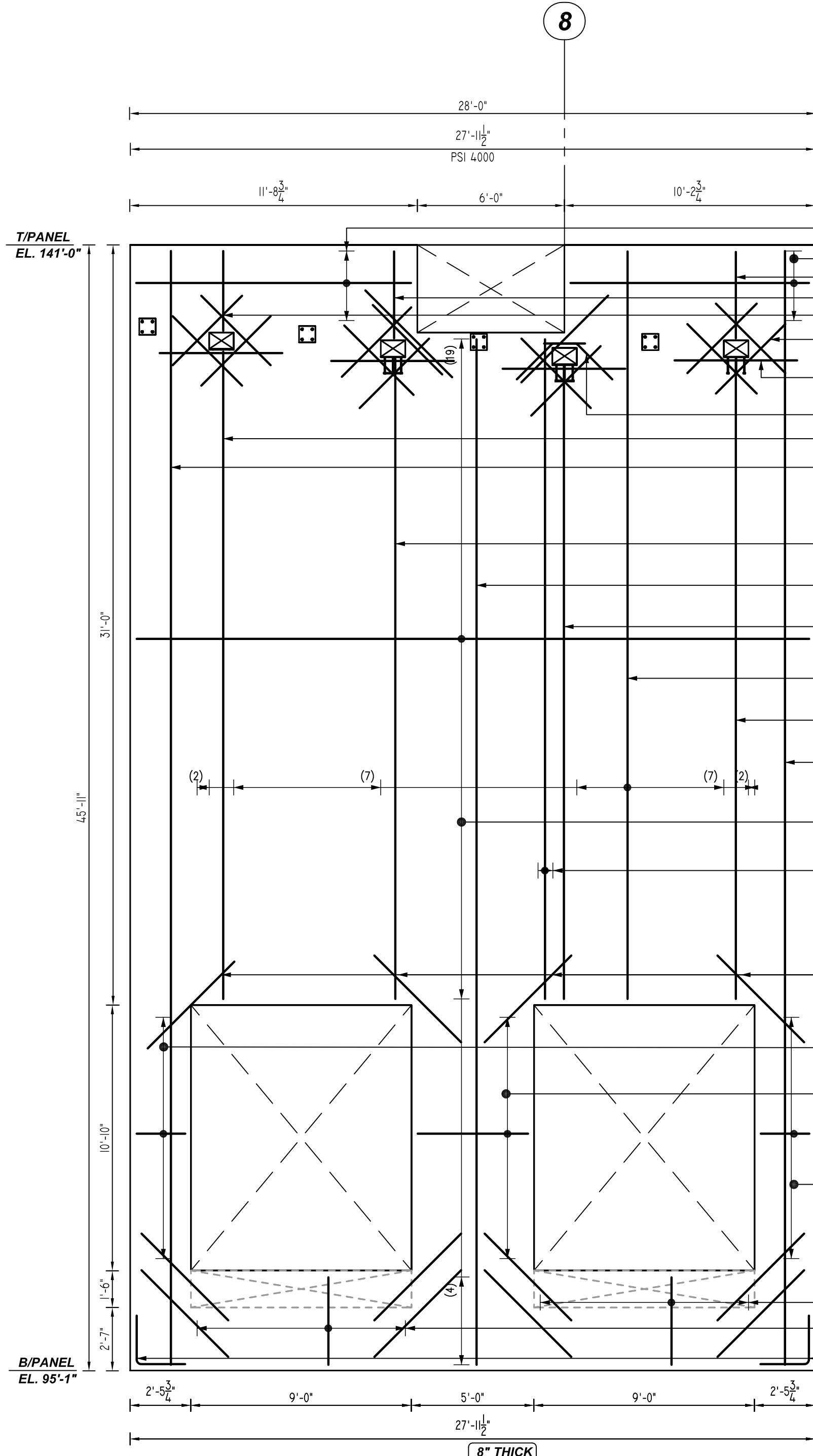
**FOR BUILDING-A PANEL (NORTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R13 THRU #R22
FOR BUILDING-A PANEL (EAST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R28 THRU #R33
FOR BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R35 THRU #R44
FOR BUILDING-A PANEL (WEST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R47 THRU #R53
FOR BUILDING-A PANEL (SOUTH ELEVATION) PANEL ACCESORIES DETAILS REFER DRAWINGS #P46**

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

TYPICAL REINFORCING BAR CLEARANCE TABLE	
LOCATION	MIN. COVER
PANEL INNER FACE	1" CLR
PANEL OUTER FACE	1$\frac{3}{4}$" CLR
PANEL EDGE	2" CLR

BAR LIST																
Bar Mark	Qty	Size	Total Length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'
5P03	1	#5	7'-6"	3			3'-5"	0'-8"	3'-5"			3'-3 1/2"		0'-10"	2'-4"	
5P04	1	#5	7'-6"	17			3'-5"	0'-8"	3'-5"							
5P01	12	#5	4'-0"	17			2'-0"	2'-0"								
4P02	2	#4	3'-3"	T1	0'-4 1/2"	0'-7 1/2"	0'-7 1/2"	0'-7 1/2"	0'-7 1/2"		0'-4 1/2"					

GRADE		A615/60(UNO)					
PREFIX		P					
BAR LIST NOS.							
REV	DESCRIPTION	ISSUED DATE	ISSUED FOR	STRUCTURE FLOOR JOB NO CUSTOMER JOB LOCATION	PANEL(SOUTH ELEVATION) REINF. DETAIL		
0	IFA	10/18/2022	APPROVAL		FOUNDATION TO TOP OF WALL		
					—		
					CONCRETE STRAGIES		
					THE CUBES AT MESA – BLDG A		
					E PECOS RD & S CRISMON RD, MESA, AZ 852		
					DRAWN	DATE	CONTROL CODE
				MRS	10/18/2022	—	R40



FOR BUILDING-A PANEL (NORTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R13 THRU #R27
FOR BUILDING-A PANEL (EAST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R28 THRU #R33
FOR BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R35 THRU #R46
FOR BUILDING-A PANEL (WEST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R47 THRU #R53
FOR BUILDING-A PANEL (SOUTH ELEVATION) PANEL ACCESORIES DETAILS REFER DRAWINGS #R46

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

TYPICAL REINFORCING BAR CLEARANCE TABLE									
LOCATION	MIN. COVER								
PANEL INNER FACE	1" CLR								
PANEL OUTER FACE	1 1/4" CLR								
PANEL EDGE	3" CLR								
RELEASE NUMBER: R41									
Bar Mark	Oy	Size	Total Length	Type	'A'	'B'	'C'	'D'	'E'
SP01	12	5	4'-0"	17	2'-0"	2'-0"			
SP03	3	5	7'-6"	3	3'-5"	0'-8"	3'-5"		3'-3" K
SP04	3	5	7'-6"	17	3'-5"	0'-8"	3'-5"		0'-10" 2'-4"
4P01	4	4	3'-4" X 3'		1'-4"	2'-0" X		1'-5" K	1'-5" 2'-8"
4P02	6	4	3'-3" X 11'		0'-4" X	0'-7" X	0'-7" X	0'-4" X	

BAR LIST									
Bar Mark	Oy	Size	Total Length	Type	'A'	'B'	'C'	'D'	'E'
SP01	12	5	4'-0"	17	2'-0"	2'-0"			
SP03	3	5	7'-6"	3	3'-5"	0'-8"	3'-5"		
SP04	3	5	7'-6"	17	3'-5"	0'-8"	3'-5"		
4P01	4	4	3'-4" X 3'		1'-4"	2'-0" X		1'-5" K	1'-5" 2'-8"
4P02	6	4	3'-3" X 11'		0'-4" X	0'-7" X	0'-7" X	0'-4" X	

HAIRPIN BAR @EMBED SCHEDULE

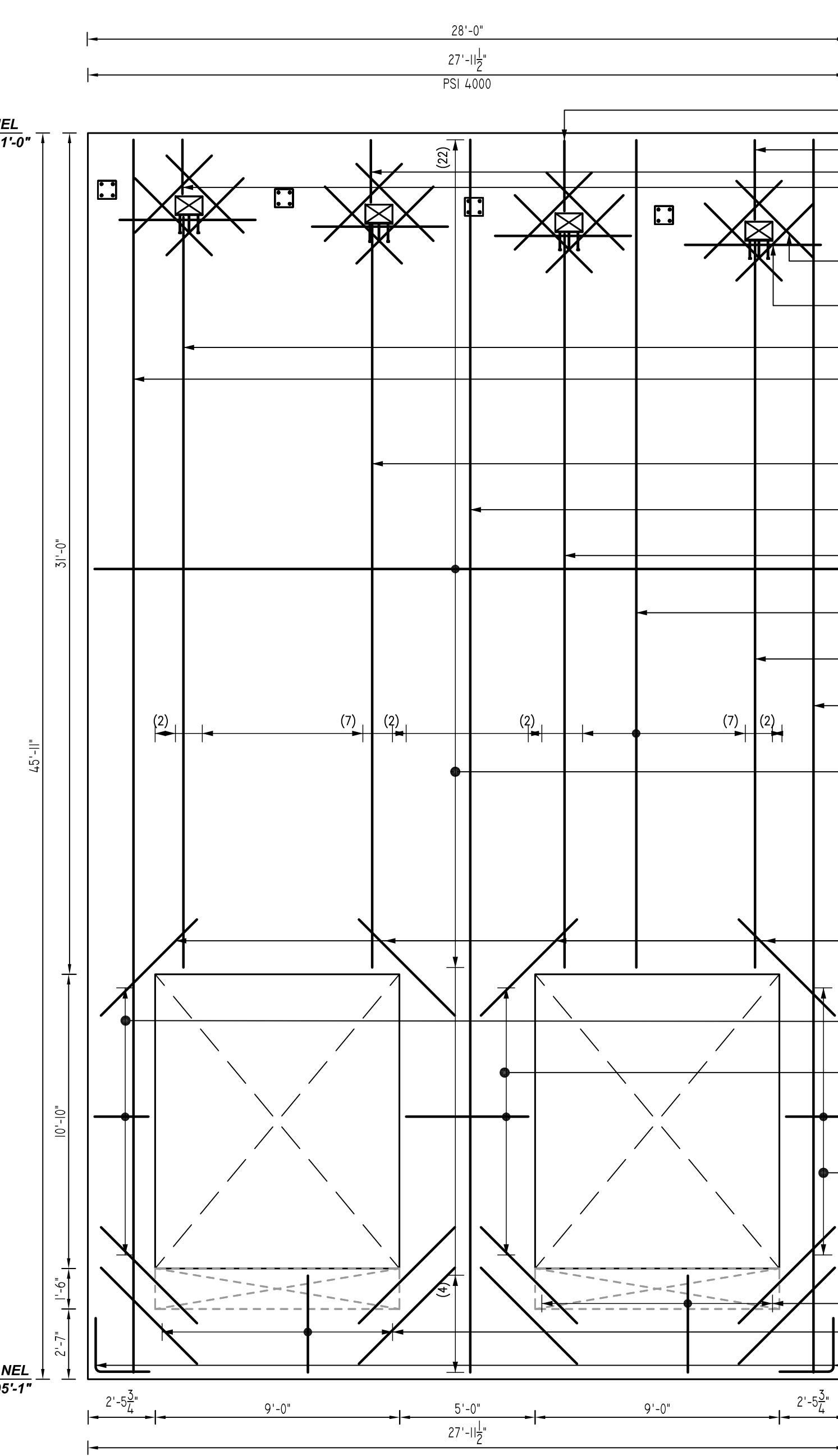
PANEL S-19 (8"x8")	1 #5 SP04 HAIRPIN @ EA. STUD 1 #5 SP03 HAIRPIN @ EA. STUD 2 #4 P02 STRPS
PANEL S-20 (8"x8")	1 #5 SP04 HAIRPIN @ EA. STUD 2 #4 P02 STRPS
PANEL S-21 (8"x8")	1 #5 SP04 HAIRPIN @ EA. STUD 1 #5 SP03 HAIRPIN @ EA. STUD 2 #4 P02 STRPS

FOR APPROVAL

HAIRPIN REINF @ EMBED DTL

REF:S9-10 (DT.06/08/22)
SCALE: 1/2" = 1'-0"

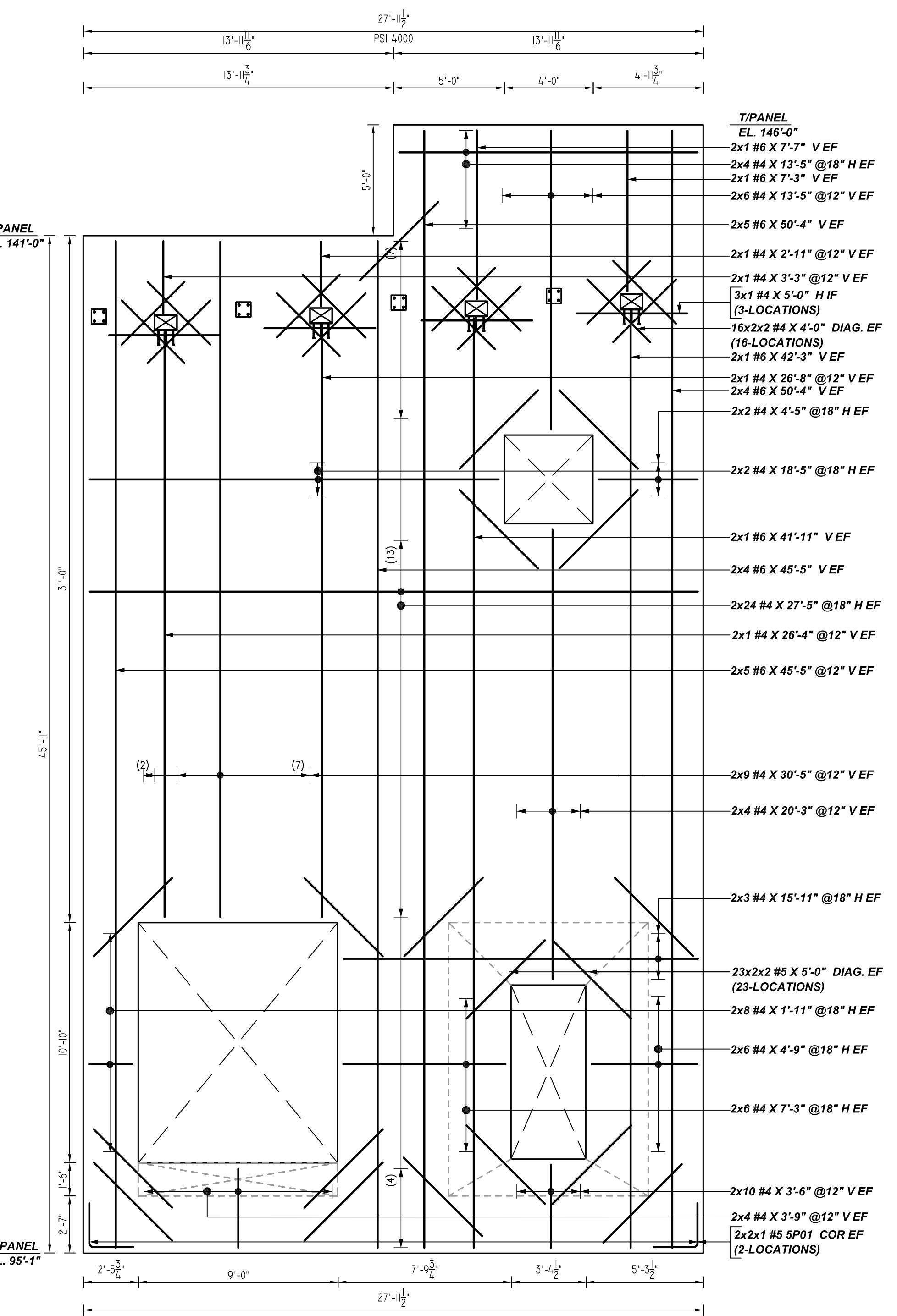
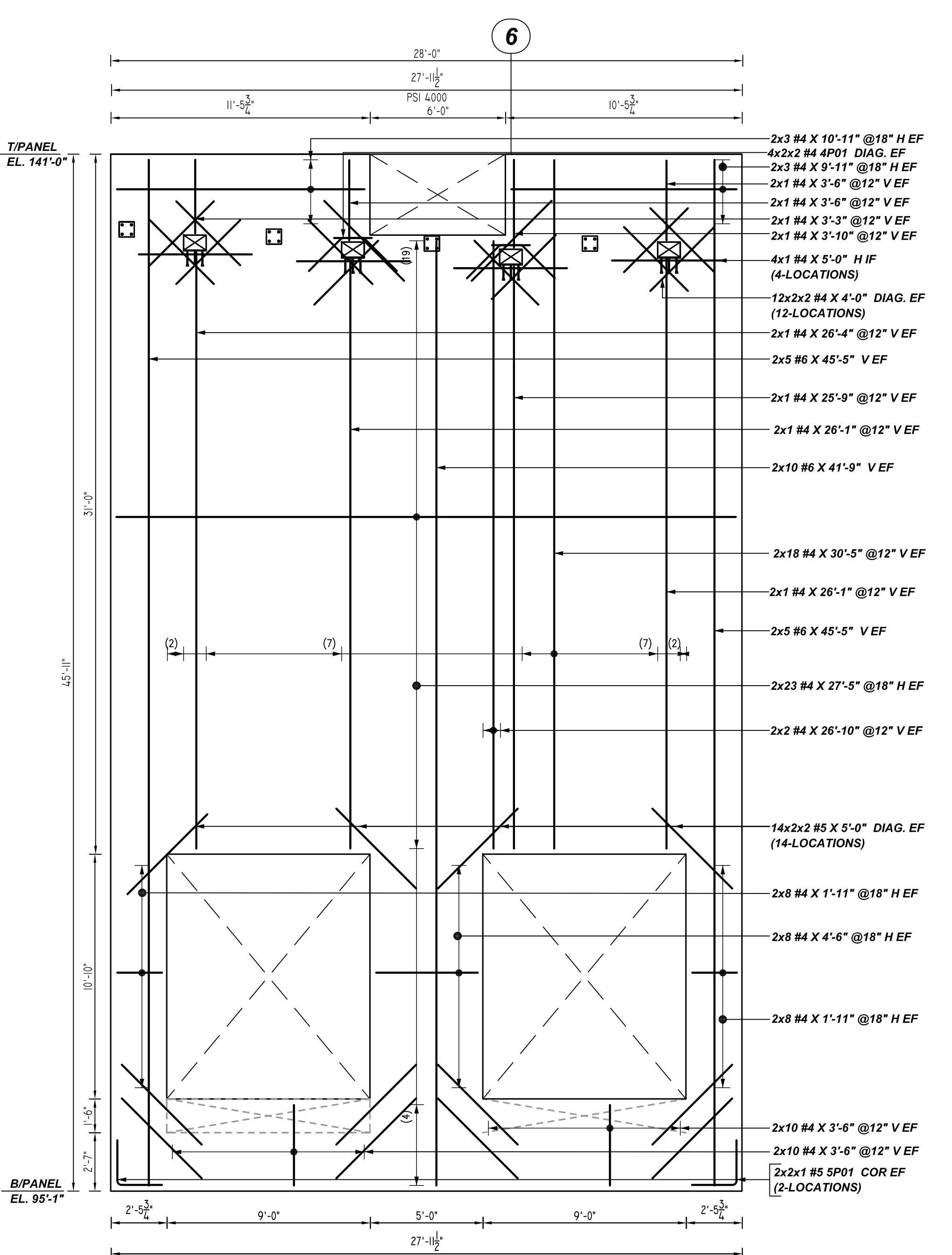
GRADE	A615/60(UNO)		
PREFIX	P		
BAR LIST NOS.			
REV	DESCRIPTION	ISSUED DATE	ISSUED FOR
0	IF A	10/18/2022	APPROVAL
STRUCTURE PANEL(SOUTH ELEVATION) REINF. DETAILS			
FLOOR FOUNDATION TO TOP OF WALL			
JOB NO. -			
CUSTOMER CONCRETE STRAGIES			
JOB THE CUBES AT MESA - BLDG A			
LOCATION E PECS RD & S CRISMON RD, MESA, AZ 85212			
DRAWN	DATE	CONTROL CODE	DWG. NO.
MRS	10/18/2022	-	R41



FOR BUILDING-A PANEL (NORTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R13 THRU #R27
FOR BUILDING-A PANEL (EAST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R28 THRU #R33
FOR BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R35 THRU #R46
FOR BUILDING-A PANEL (WEST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R47 THRU #R53
FOR BUILDING-A PANEL (SOUTH ELEVATION) PANEL ACCESSORIES DETAILS REFER DRAWINGS #R46

ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED

TYPICAL REINFORCING BAR CLEARANCE TABLE	
LOCATION	MIN. COVER
PANEL INNER FACE	1" CLR
PANEL OUTER FACE	1 1/4" CLR
PANEL EDGE	3" CLR



BAR LIST												
Bar Work	Qty	Size	Total Length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'
SP01	12	1/2" FS	4'-0" 17		2'-0"	2'-0"	3'-5"	0'-8"	3'-5"		3'-3 1/2"	0'-10" 2'-4"
SP03	3	1/2" FS	7'-6" 3		3'-5"	0'-8"	3'-5"					
SP04	3	1/2" FS	7'-6" 17		3'-5"	0'-8"	3'-5"					
4P01	16	1/4" FS	3'-4" 3		1'-4"	2'-0"			1'-5 1/2"		1'-5"	2'-9"
4P02	6	1/4" FS	3'-3" 11		0'-4 X 1"	0'-7 X 1"	0'-7 X 1"	0'-7 X 1"	0'-4 X 1"			

HAIRPIN BAR @EMBED SCHEDULE

PANEL S-22 (8"x8")	1 #5 5P04 HAIRPIN @ EA. STUD 1 #5 5P03 HAIRPIN @ EA. STUD 2 #4 4P02 STRPS
PANEL S-23 (8"x8")	1 #5 5P04 HAIRPIN @ EA. STUD 1 #5 5P03 HAIRPIN @ EA. STUD 2 #4 4P02 STRPS
PANEL S-24 (8"x8")	1 #5 5P04 HAIRPIN @ EA. STUD 1 #5 5P03 HAIRPIN @ EA. STUD 2 #4 4P02 STRPS

HAIRPIN REINF @ EMBED DTL
REF:S9-10 (DT.06/08/22)
SCALE: 1/2" = 1'-0"

A/E PLEASE VERIFY
HAIRPIN DETAIL AS FOLLOWS

FOR APPROVAL

GRADE

A615/60(UNO)

PREFIX

P

BAR LIST NOS.

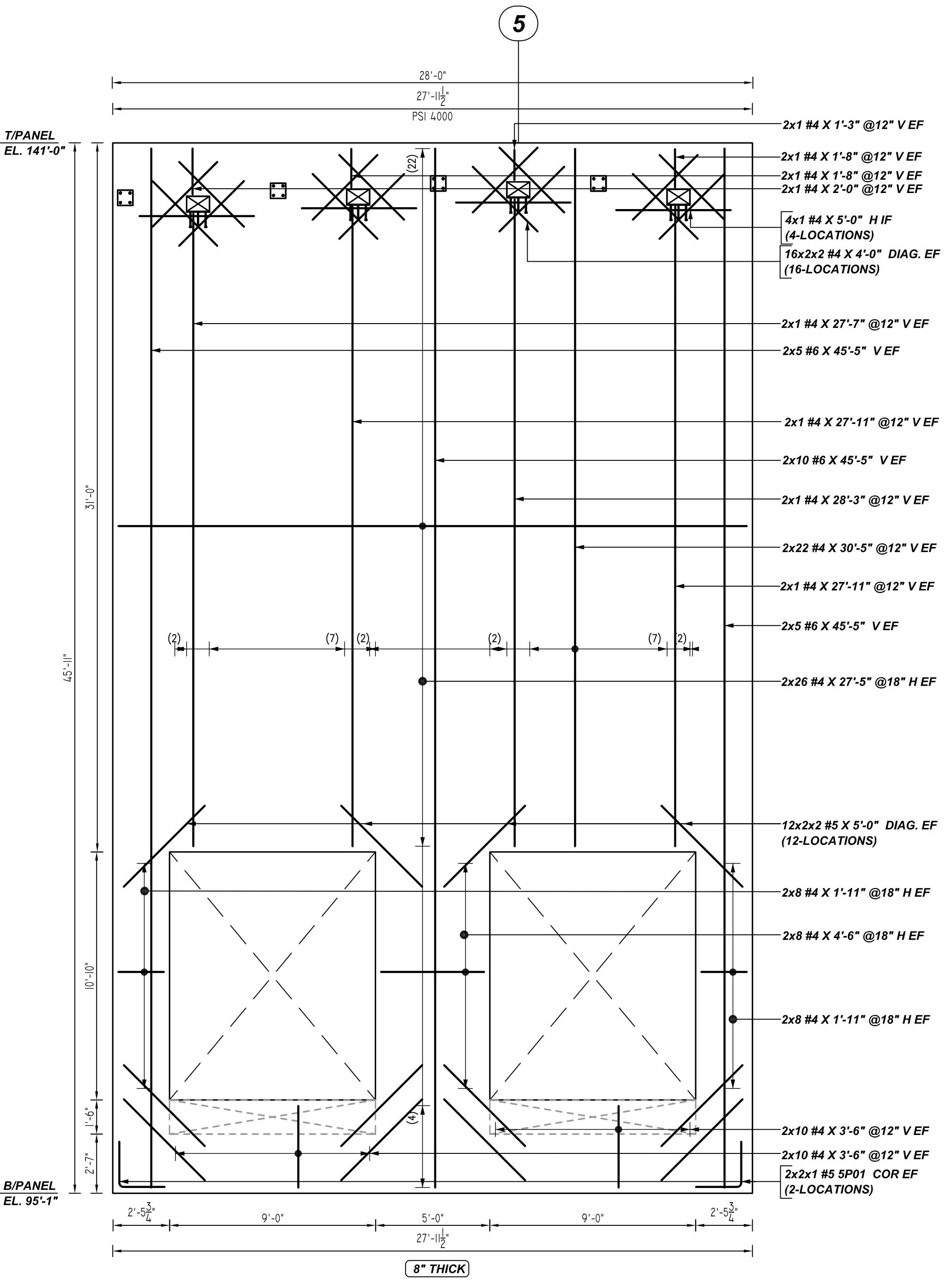
REV DESCRIPTION ISSUED DATE ISSUED FOR

0 IFA 10/18/2022 APPROVAL

STRUCTURE PANEL(SOUTH ELEVATION) REINF. DETAILS
FLOOR FOUNDATION TO TOP OF WALL
JOB NO. -
CUSTOMER CONCRETE STRAGIES
JOB THE CUBES AT MESA - BLDG A
LOCATION E PECOS RD & S CRISMON RD, MESA, AZ 85212

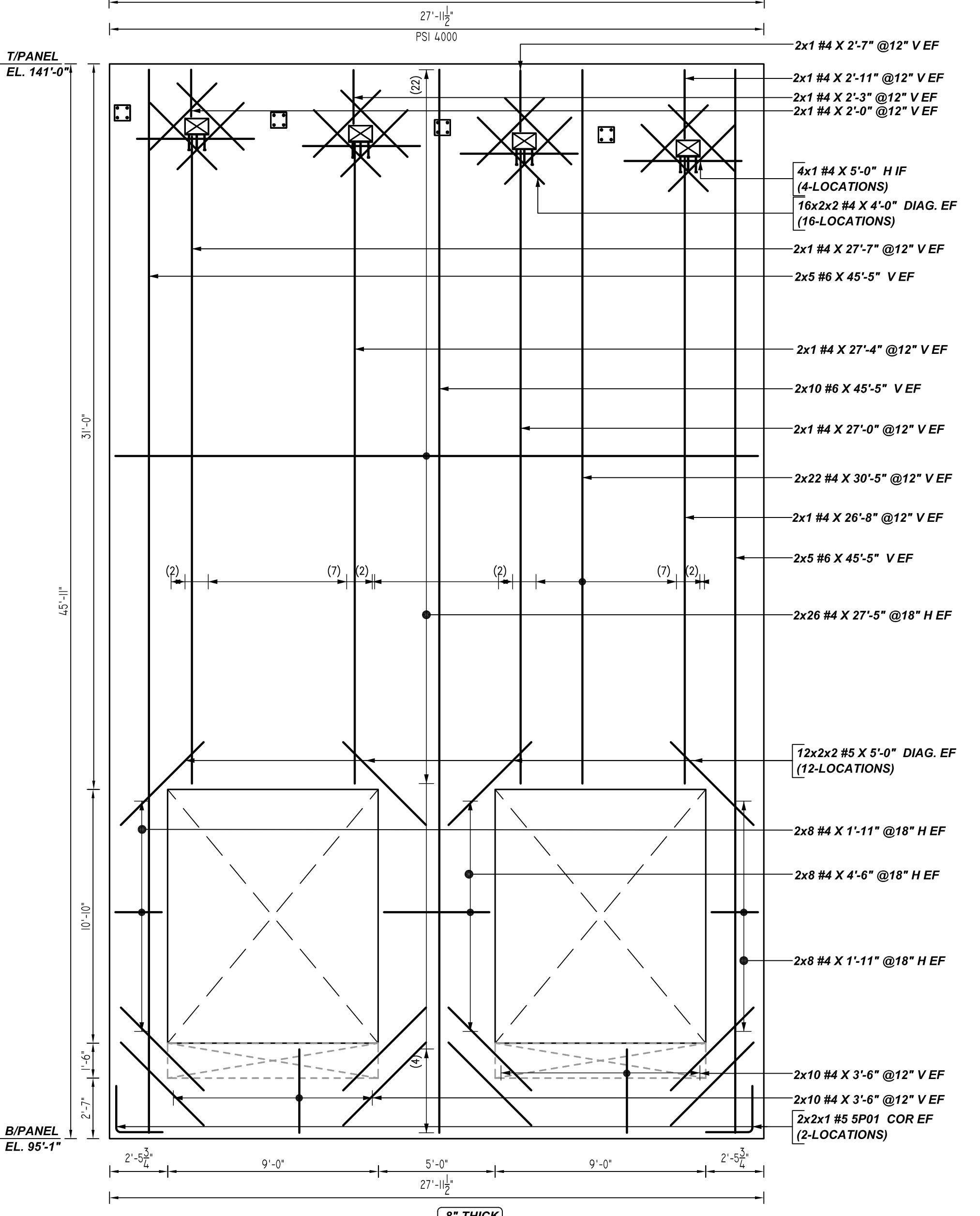
DRAWN DATE CONTROL CODE DWG. NO.

MRS 10/18/2022 - R42



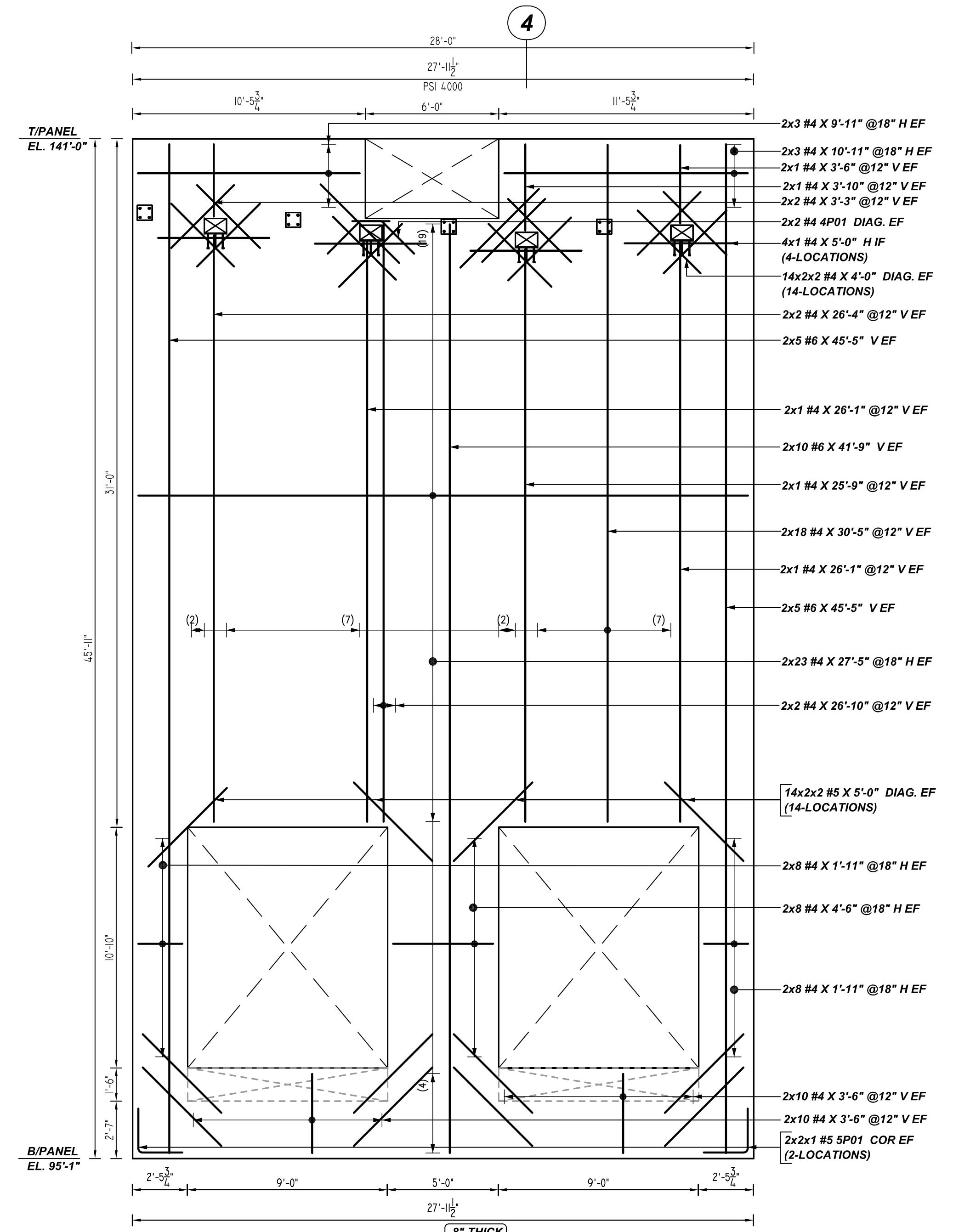
PANEL S-25

REF:S9.13 (DT.06/08/22)
SCALE: 1/4" = 1'-0"



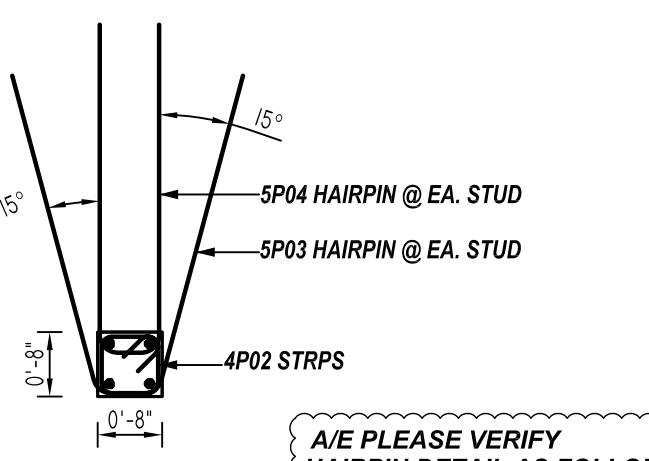
PANEL S-26

REF:S9.13 (DT.06/08/22)
SCALE: 1/4" = 1'-0"



PANEL S-27

REF:S9.13 (DT.06/08/22)
SCALE: 1/4" = 1'-0"



A/E PLEASE VERIFY HAIRPIN DETAIL AS FOLLOWS

HAIRPIN REINF @ EMBED DTL

REF:S9-10 (DT.06/08/22)
SCALE: 1/2" = 1'-0"

FOR APPROVAL

BAR LIST											
Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	X'	Y'	Z'	X'
SP01	12	F6	4'-0" 17	Y-Z	2'-0"	3'-5"	0'-4"	3'-5"	3'-3 X'	0'-10"	2'-4"
SP03	3	F6	7'-6" 3	Y-Z	3'-5"	0'-4"	3'-5"				
SP04	3	F6	7'-6" 17	Y-Z	3'-5"	0'-4"	3'-5"				
4P01	4	H	3'-4' K 3	Y-A	2'-0"	0'-4"	0'-4"	0'-4 X'	1'-5 X'	1'-5"	2'-9"
4P02	6	H	3'-3' 11	0'-4 X'	0'-7 X'	0'-7 X'	0'-7 X'	0'-4 X'	0'-4 X'	0'-4 X'	0'-8"

HAIRPIN BAR @EMBED SCHEDULE

PANEL S-25 (8"x8")	1 #5 P04 HAIRPIN @ EA. STUD 1 #5 P03 HAIRPIN @ EA. STUD 2 #4 4P02 STRPS
PANEL S-26 (8"x8")	1 #5 P04 HAIRPIN @ EA. STUD 1 #5 P03 HAIRPIN @ EA. STUD 2 #4 4P02 STRPS
PANEL S-27 (8"x8")	1 #5 P04 HAIRPIN @ EA. STUD 1 #5 P03 HAIRPIN @ EA. STUD 2 #4 4P02 STRPS

GRADE

A615/60(UNO)

PREFIX

P

BAR LIST NOS.

REV

DESCRIPTION

ISSUED DATE

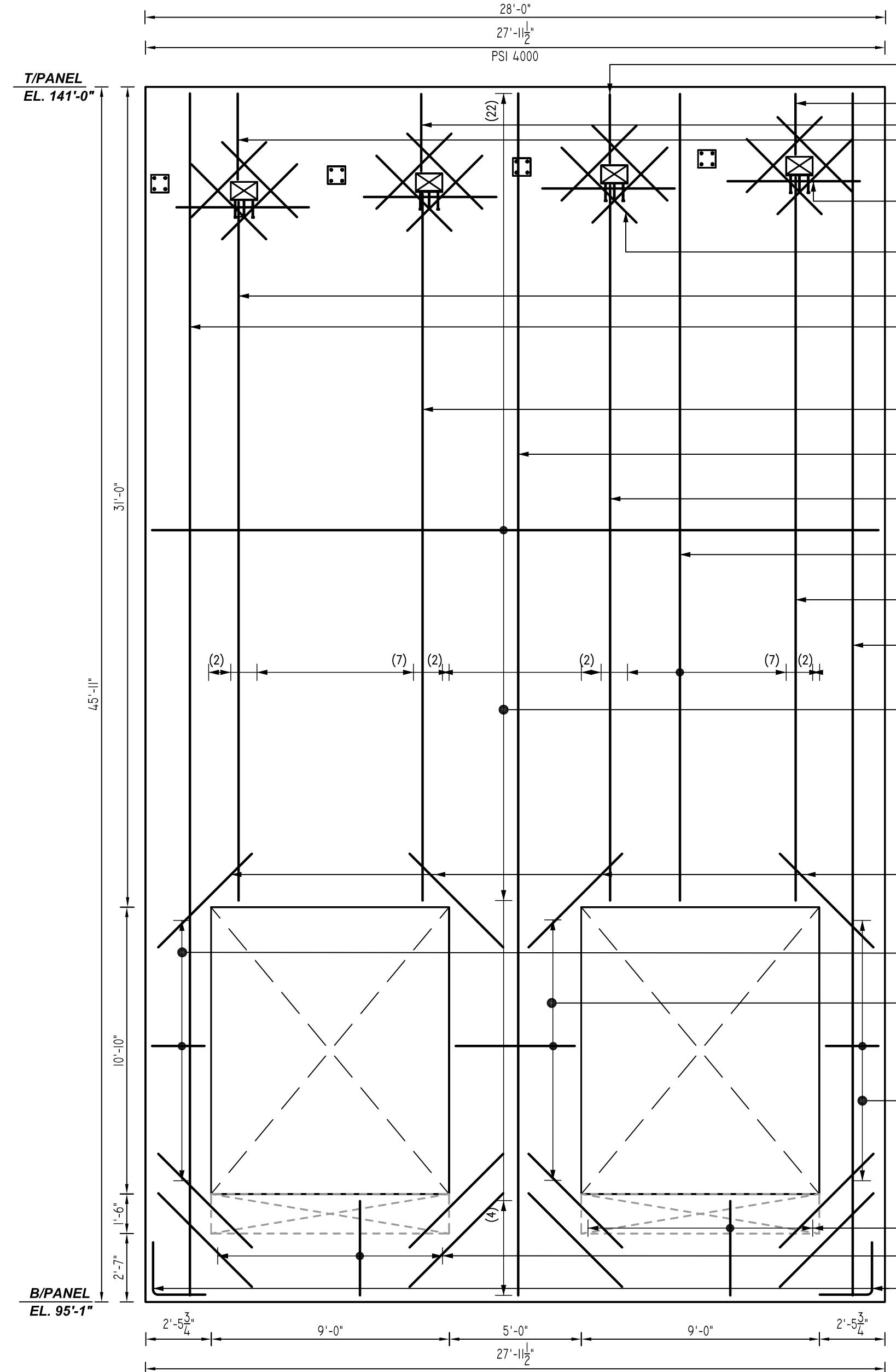
ISSUED FOR

STRUCTURE	PANEL(SOUTH ELEVATION) REINF. DETAILS		
FLOOR	FOUNDATION TO TOP OF WALL		
JOB NO	-		
CUSTOMER	CONCRETE STRAGIES		
JOB	THE CUBES AT MESA - BLDG A		
LOCATION	E PELOS RD & S CRISMON RD, MESA, AZ 85212		
DRAWN	DATE	CONTROL CODE	DWG. NO.
MRS	10/18/2022	-	R43

FOR BUILDING-A PANEL (NORTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R13 THRU #R27
FOR BUILDING-A PANEL (EAST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R28 THRU #R33
FOR BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R35 THRU #R46
FOR BUILDING-A PANEL (WEST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R47 THRU #R53
FOR BUILDING-A PANEL (SOUTH ELEVATION) PANEL ACCESORIES DETAILS REFER DRAWINGS #R46

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

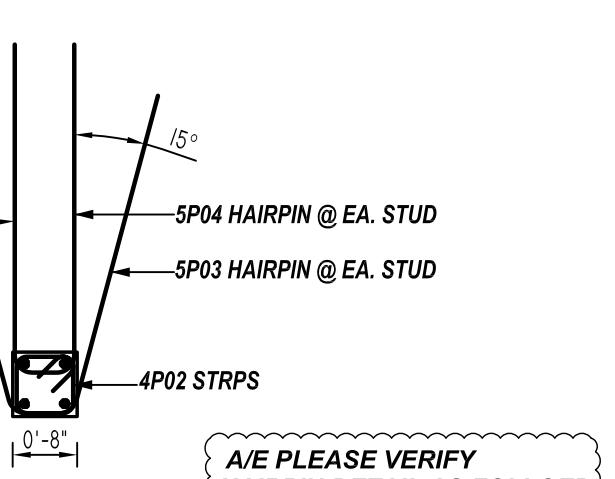
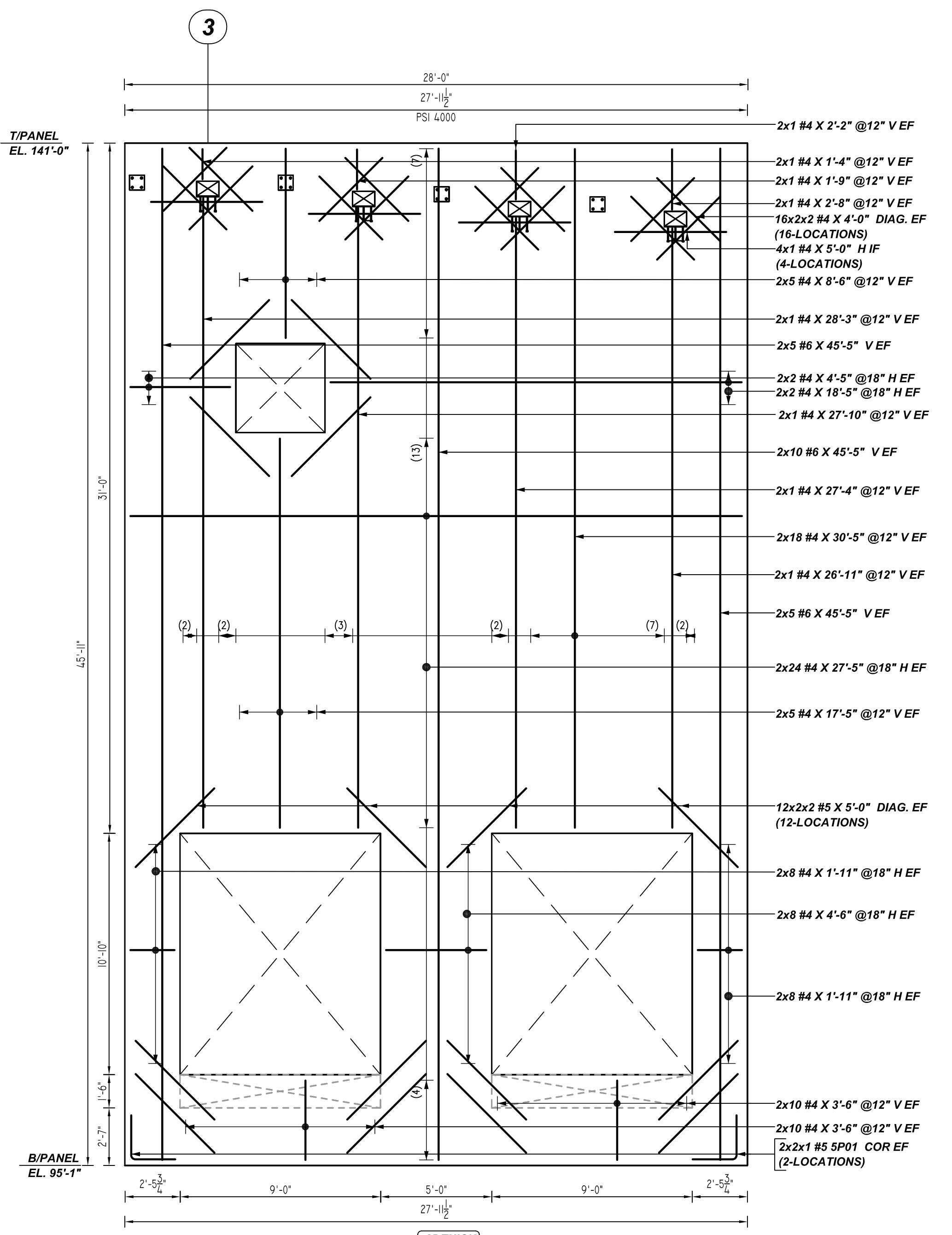
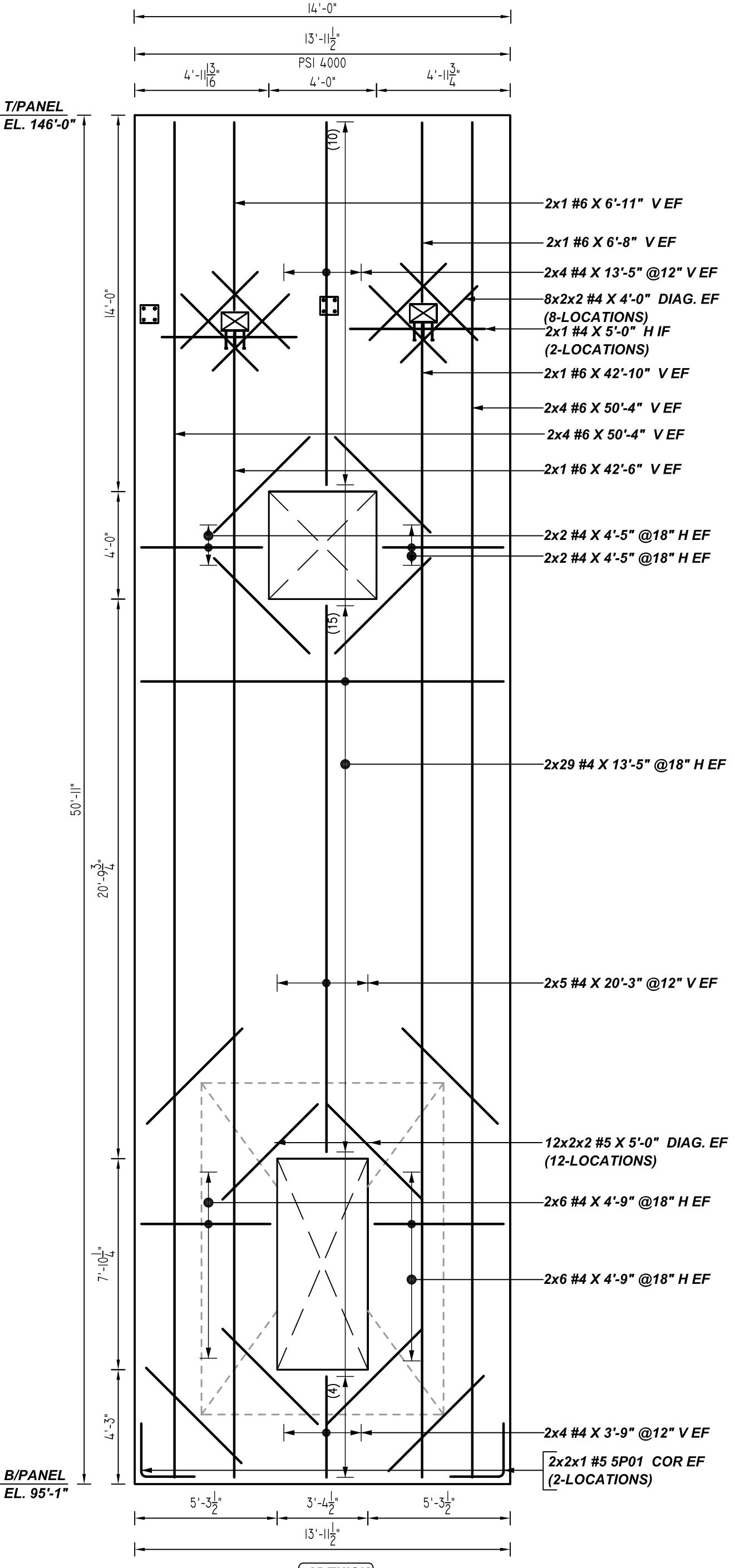
LOCATION	MIN. COVER
PANEL INNER FACE	1" CLR
PANEL OUTER FACE	1 1/4" CLR
PANEL EDGE	3" CLR



PANEL S-28

ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED

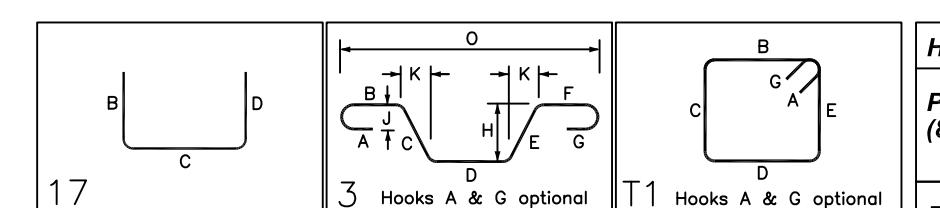
TYPICAL REINFORCING BAR CLEARANCE TABLE									
LOCATION	MIN. COVER								
PANEL INNER FACE	1" CLR								
PANEL OUTER FACE	1 1/4" CLR								
PANEL EDGE	3" CLR								



HAIRPIN REINF @ EMBED DTL

REF:S9.10 (DT.06/08/22)
SCALE: 1/2" = 1'-0"

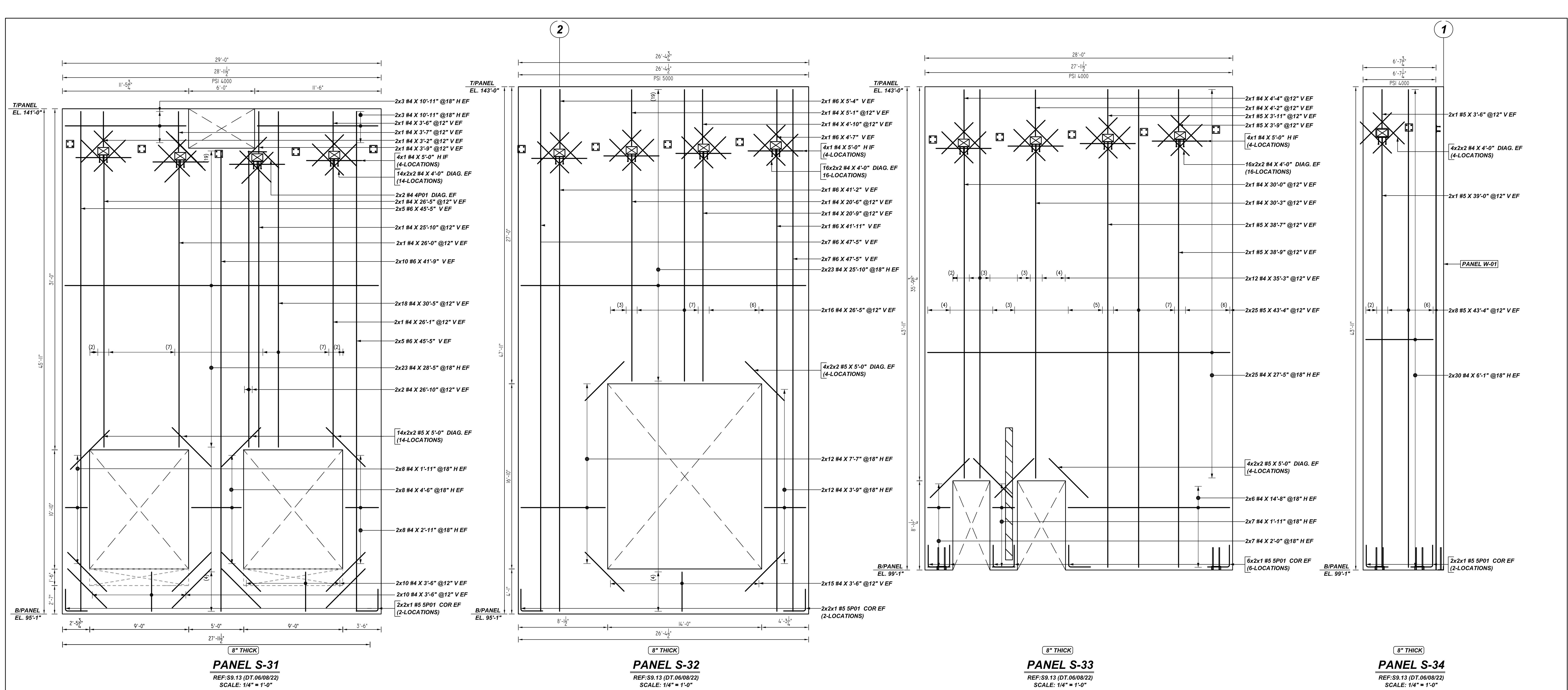
BAR LIST									
Bar No.	Qty	Size	Total Length	Type	X'	Y'	Z'	T'	V'
S901	12	4'-0"	4'-0"		Y'-0"	Y'-0"			
S903	9	7'-6"	3		Y'-6"	0'-6"	Y'-6"	J'-3 X'	0'-10"
S904	3	7'-6"	17		Y'-6"	0'-6"	Y'-6"		Z'-4"
4P02	6	4"	3'-3 1/2"		0'-4 X'	0'-7 X'	0'-7 X'	0'-4 X'	



HAIRPIN BAR @ EMBED SCHEDULE	
PANEL S-28 (8"x8")	1 #5 5P04 HAIRPIN @ EA. STUD 1 #5 5P03 HAIRPIN @ EA. STUD 2 #4 4P02 STRPS
PANEL S-29 (8"x8")	1 #5 5P04 HAIRPIN @ EA. STUD 1 #5 5P03 HAIRPIN @ EA. STUD 2 #4 4P02 STRPS
PANEL S-30 (8"x8")	1 #5 5P04 HAIRPIN @ EA. STUD 1 #5 5P03 HAIRPIN @ EA. STUD 2 #4 4P02 STRPS

FOR APPROVAL

GRADE	A615/60(UNO)		
PREFIX	P		
BAR LIST NOS:			
REV	DESCRIPTION	ISSUED DATE	ISSUED FOR
0	I.F.A	10/18/2022	APPROVAL
STRUCTURE PANEL(SOUTH ELEVATION) REINF. DETAILS			
FOUNDATION TO TOP OF WALL			
FLOOR -			
JOB NO -			
CUSTOMER CONCRETE STRAGIES			
JOB THE CUBES AT MESA - BLDG A			
LOCATION E PECOS RD & S CRISMON RD, MESA, AZ 85212			
DRAWN	DATE	CONTROL CODE	DWG. NO.
MRS	10/18/2022	-	R44



FOR BUILDING-A PANEL (NORTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R13 THRU #R27
FOR BUILDING-A PANEL (EAST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R28 THRU R33
FOR BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R35 THRU #R46
FOR BUILDING-A PANEL (WEST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R47 THRU #R53
FOR BUILDING-A PANEL (SOUTH ELEVATION) PANEL ACCESORIES DETAILS REFER DRAWINGS #R46

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

TYPICAL REINFORCING BAR CLEARANCE TABLE	
LOCATION	MIN. COVER
PANEL INNER FACE	1" CLR
PANEL OUTER FACE	1 1/4" CLR
PANEL EDGE	3" CLR

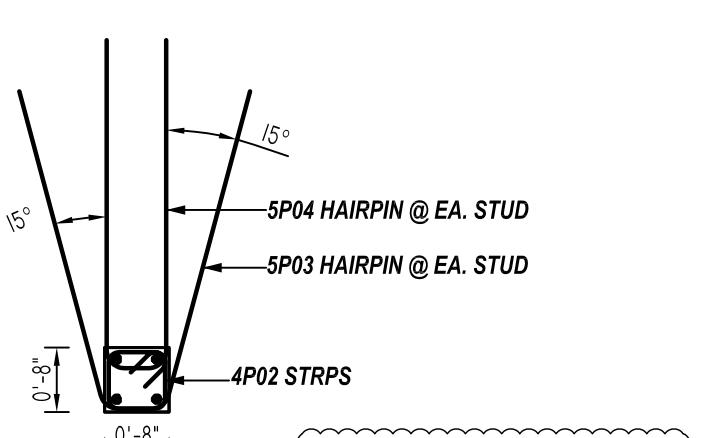
RELEASE NUMBER: R45		BAR LIST														
Bar Work	Qty	Size	Total Length	Type	'X'	'Y'	'Z'	'U'	'V'	'W'	'T'	'Y'	'V'	'Z'	'U'	'X'
SP01	24	#5	4'-0"	17												
SP03	3	#5	7'-6"	3												
SP04	3	#5	7'-6"	17												
4P01	4	#4	3'-4" X 3'	3												
4P02	6	#4	3'-3" X 71"	11	0'-4" X	0'-7" X	0'-7" X	0'-7" X	0'-7" X	0'-4" X	1'-5"	1'-5"	2'-9"			

HAIRPIN BAR @EMBED SCHEDULE

PANEL S-28 (8"x8")	1 #5 SP04 HAIRPIN @ EA. STUD 1 #5 SP03 HAIRPIN @ EA. STUD 2 #4 AP02 STRPS
PANEL S-29 (8"x8")	1 #5 SP04 HAIRPIN @ EA. STUD 1 #5 SP03 HAIRPIN @ EA. STUD 2 #4 AP02 STRPS
PANEL S-30 (8"x8")	1 #5 SP04 HAIRPIN @ EA. STUD 1 #5 SP03 HAIRPIN @ EA. STUD 2 #4 AP02 STRPS

FOR APPROVAL

HAIRPIN REINF @ EMBED DTL
REF:S9-10 (DT.06/08/22)
SCALE: 1/2" = 1'-0"



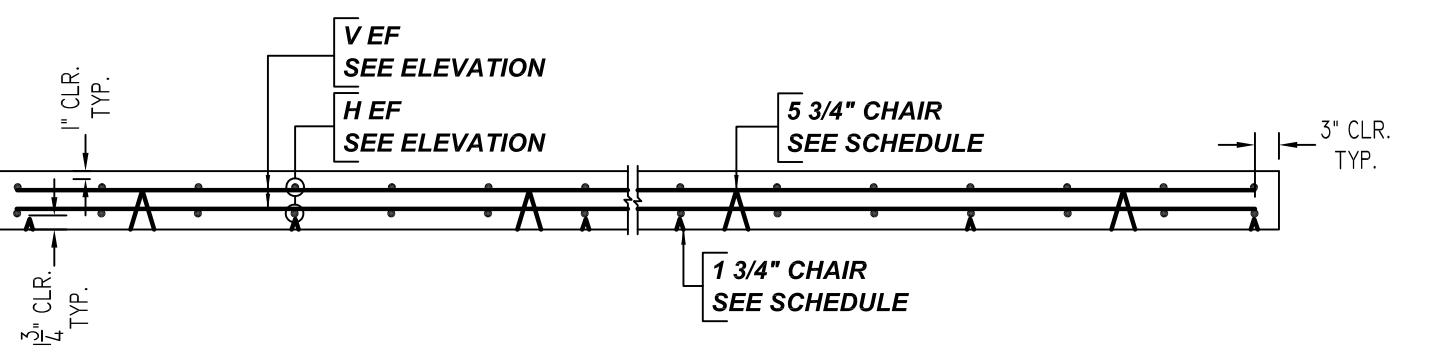
A/E PLEASE VERIFY
HAIRPIN DETAIL AS FOLLOWS

GRADE	A615/60(UNO)		
PREFIX	P		
BAR LIST NOS.			
REV	DESCRIPTION	ISSUED DATE	ISSUED FOR
0	IF A	10/18/2022	APPROVAL
STRUCTURE PANEL(SOUTH ELEVATION) REINF. DETAILS			
FOUNDATION TO TOP OF WALL			
FLOOR	-		
JOB NO	-		
CUSTOMER	CONCRETE STRAGIES		
JOB	THE CUBES AT MESA - BLDG A		
LOCATION	E PECOS RD & S CRISMON RD, MESA, AZ 85212		
DRAWN	DATE	CONTROL CODE	DWG. NO.
MRS	10/18/2022	-	R45

A/E PLEASE VERIFY
CHAIRS SPACING (TYP.)

ACCESSORIES DETAILS					
S. NO	ELEMENT	DESCRIPTION	PCS	LFT	REMARK
1	PANEL S-01 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	368	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	92	-	CHAIR TO TOP SUPPORT
2	PANEL S-02 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	272	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	68	-	CHAIR TO TOP SUPPORT
3	PANEL S-03 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	300	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	75	-	CHAIR TO TOP SUPPORT
4	PANEL S-04 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	150	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	40	-	CHAIR TO TOP SUPPORT
5	PANEL S-05 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
6	PANEL S-06 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
7	PANEL S-07 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
8	PANEL S-08 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
9	PANEL S-09 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
10	PANEL S-10 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	330	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	83	-	CHAIR TO TOP SUPPORT
11	PANEL S-11 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
12	PANEL S-12 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
13	PANEL S-13 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
14	PANEL S-14 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	330	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	83	-	CHAIR TO TOP SUPPORT
15	PANEL S-15 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
16	PANEL S-16 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
17	PANEL S-17 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
18	PANEL S-18 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
19	PANEL S-19 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
20	PANEL S-20 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	330	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	83	-	CHAIR TO TOP SUPPORT
21	PANEL S-21 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
22	PANEL S-22 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
23	PANEL S-23 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
24	PANEL S-24 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	330	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	83	-	CHAIR TO TOP SUPPORT
25	PANEL S-25 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT

ACCESSORIES DETAILS					
S. NO	ELEMENT	DESCRIPTION	PCS	LFT	REMARK
26	PANEL S-26 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
27	PANEL S-27 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
28	PANEL S-28 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
29	PANEL S-29 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	165	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	42	-	CHAIR TO TOP SUPPORT
30	PANEL S-30 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	305	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	76	-	CHAIR TO TOP SUPPORT
31	PANEL S-31 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	330	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	83	-	CHAIR TO TOP SUPPORT
32	PANEL S-32 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	300	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	74	-	CHAIR TO TOP SUPPORT
33	PANEL S-33 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	310	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	78	-	CHAIR TO TOP SUPPORT
34	PANEL S-34 8" THICK PANEL	1 1/4" CHAIRS @4'-0" C/C	-	82	CHAIR TO BOTTOM SUPPORT
		5 1/4" CHAIRS @4'-0" C/C	21	-	CHAIR TO TOP SUPPORT



TYPICAL PANEL SECTION

SCALE - 1/2"-1'-0"

REF:S8.01

FOR BUILDING-A PANEL (NORTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R13 THRU #R27
FOR BUILDING-A PANEL (EAST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R28 THRU #R33
FOR BUILDING-A PANEL (SOUTH ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R35 THRU #R46
FOR BUILDING-A PANEL (WEST ELEVATION) REINFORCEMENT DETAILS PLAN & SECTIONS REFER DRAWINGS #R47 THRU #R53
FOR BUILDING-A PANEL (SOUTH ELEVATION) PANEL ACCESSORIES DETAILS REFER DRAWINGS #R46

A/E PLEASE VERIFY THE ALL CLOUDED DIMENSIONS

GRADE	A615/60(UNO)		
PREFIX	P		
BAR LIST	NOS.		
REV	DESCRIPTION	ISSUED DATE	ISSUED FOR
0	IFA	10/18/2022	APPROVAL
STRUCTURE PANEL(SOUTH ELEVATION) REINF. DETAILS FOUNDATION TO TOP OF WALL			
JOB NO	-		
CUSTOMER CONCRETE STRAGIES			
JOB THE CUBES AT MESA - BLDG A			
LOCATION E PECOS RD & S CRISMON RD, MESA, AZ 85212			
DRAWN	DATE	CONTROL CODE	DWG. NO.
MRS	10/18/2022	-	R46

FOR APPROVAL